

# Stadt der Dreiecke -

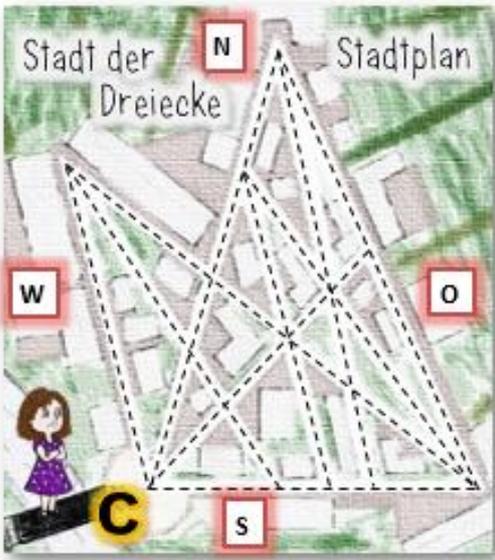
## HINWEIS zur LÖSUNGSDATEI

**Die Nummer in der Fußzeile der Angabe entspricht der Nummer in der Fußzeile der Lösung.**

**Stadt der Dreiecke**

der Bär befindet sich im Punkt **A** des folgenden Dreiecks:

a = 16,0 cm	$\alpha =$
b = 11,5 cm	$\beta =$
c =	$\gamma = 74^\circ$



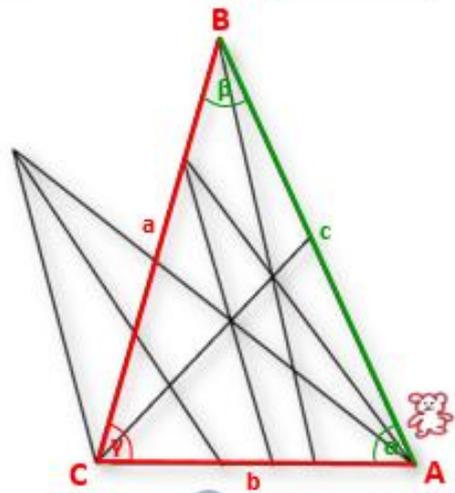
Stadt der Dreiecke

Mag. Isabella Hirtl

Angabe und Lösung Aufgabe Variante Nr. **1**  
- Stadt der Dreiecke:

ANGABE:  befindet sich am Punkt **A**

a = 16,0 cm	$\alpha =$
b = 11,5 cm	$\beta =$
c =	$\gamma = 74^\circ$

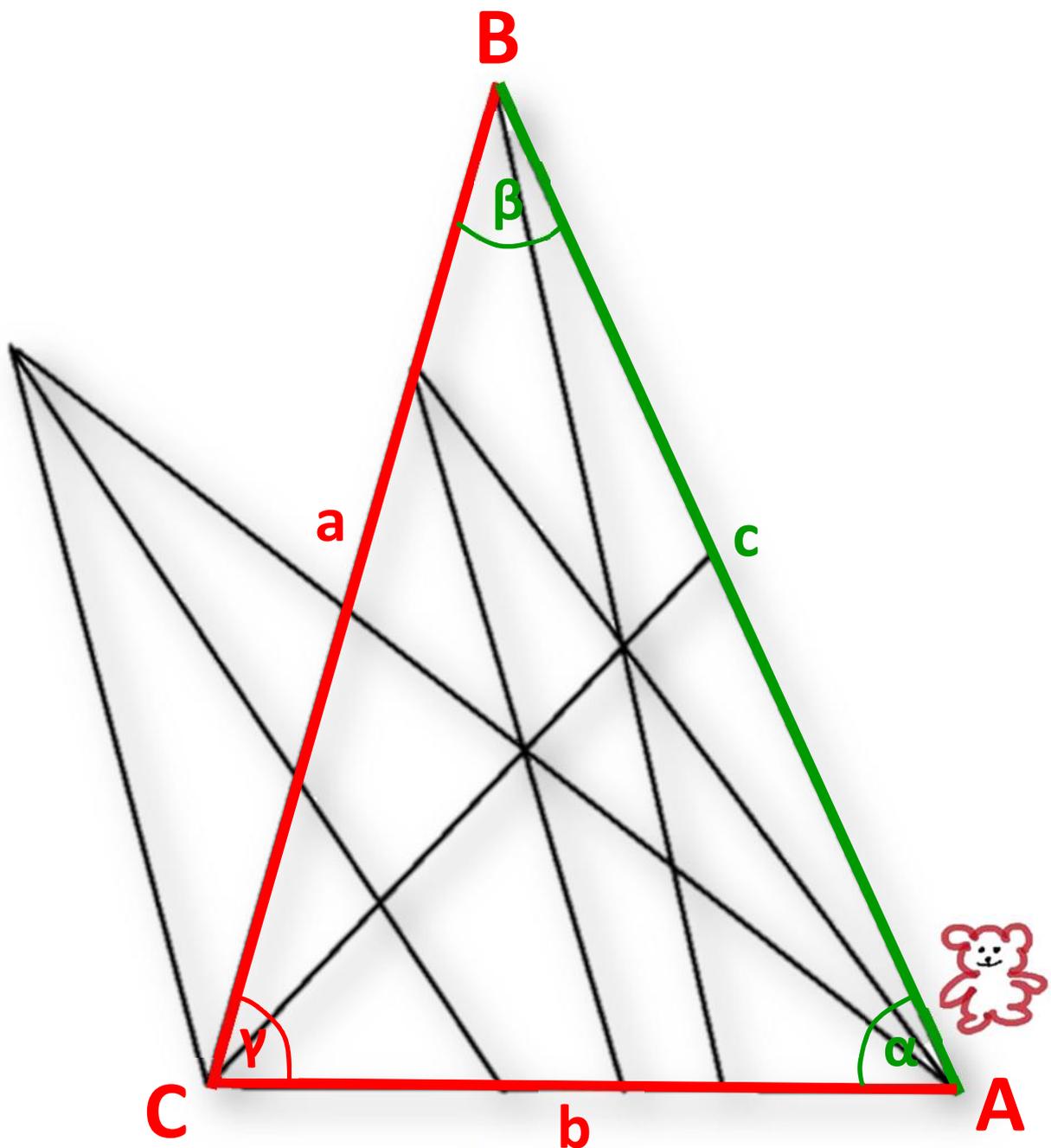


**1**

**2**

ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>16,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>74°</b>



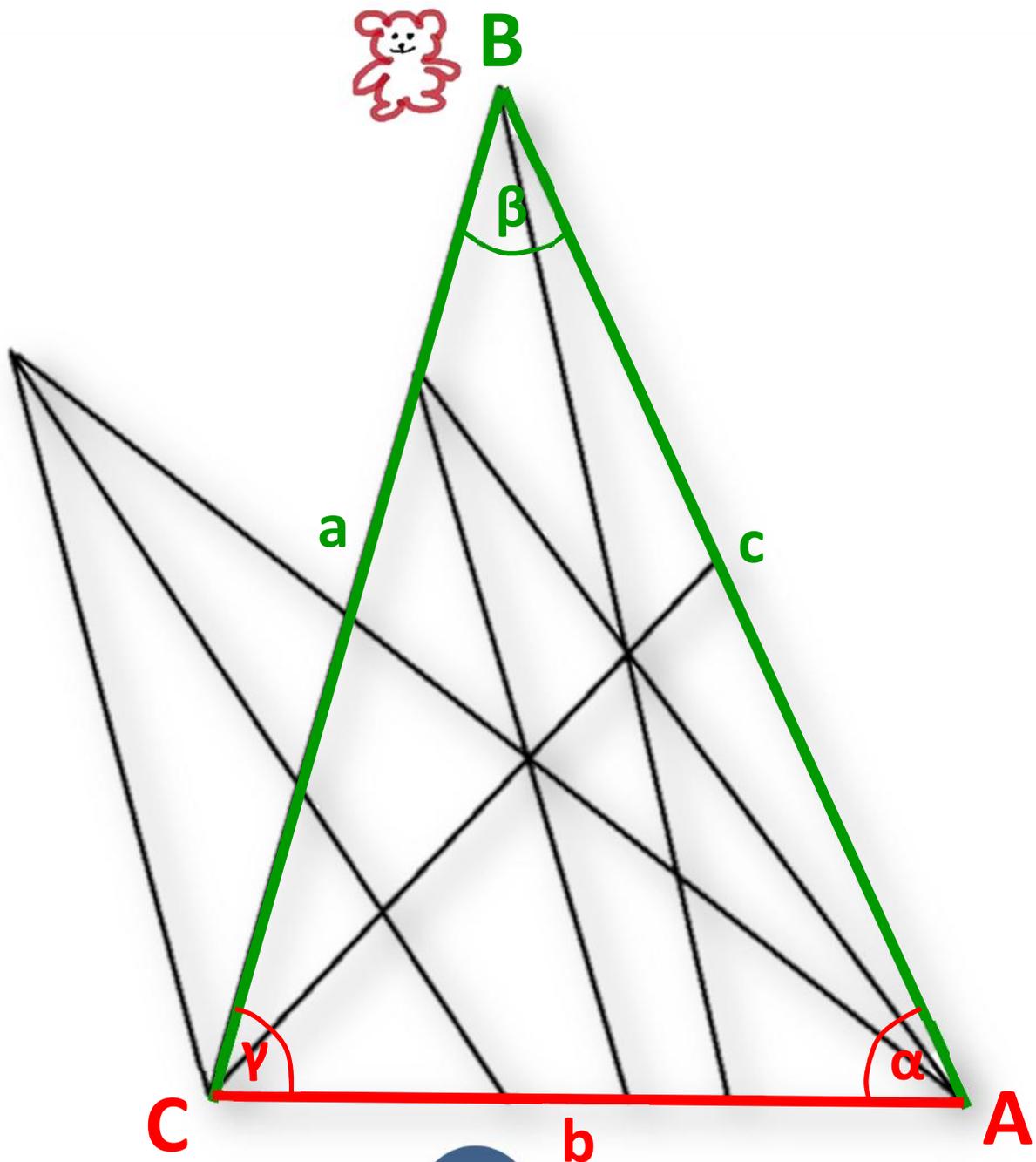
ANGABE:



befindet sich  
am Punkt

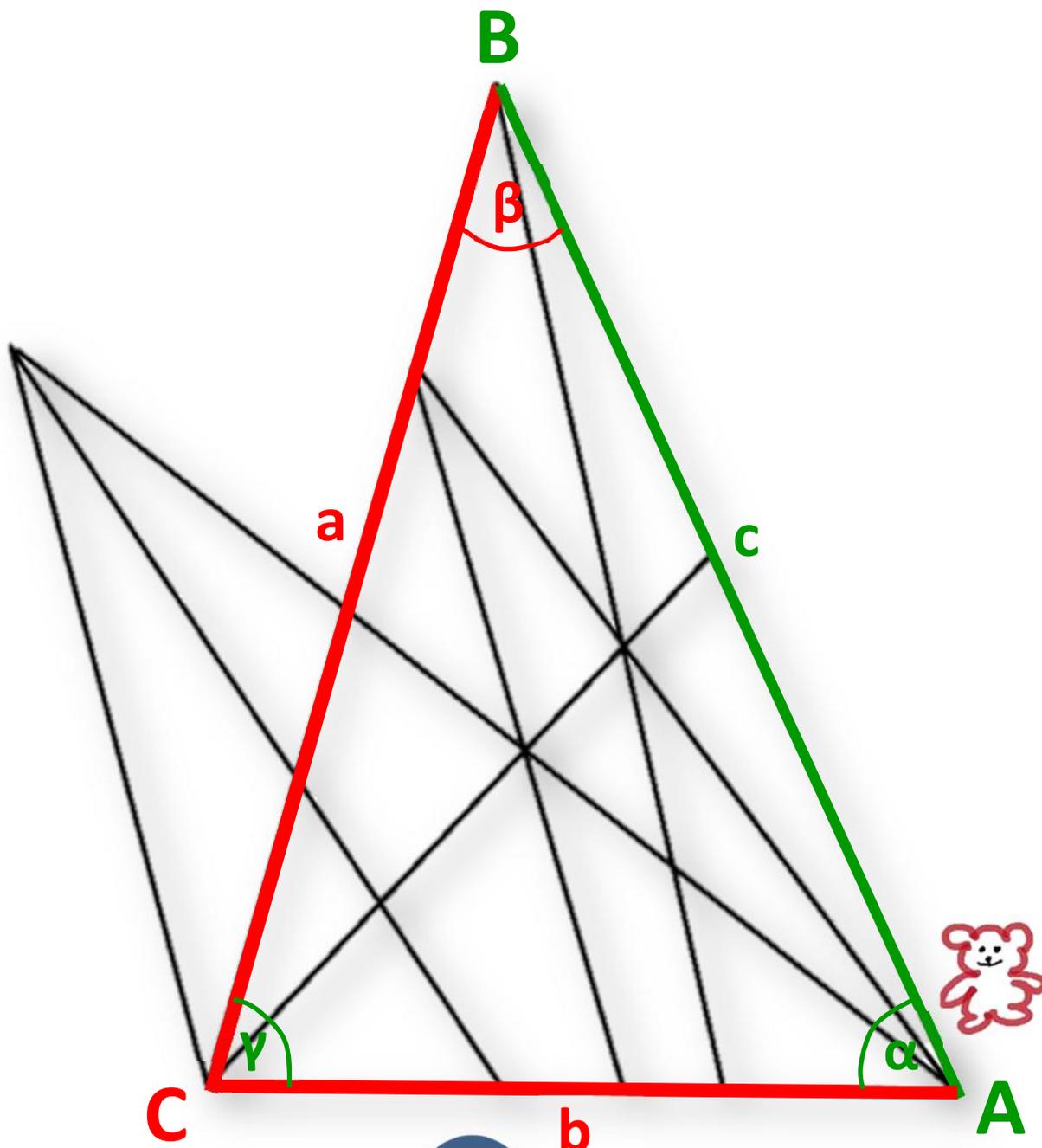
**B**

<b>a =</b>		<b><math>\alpha =</math></b>	<b><math>66^\circ</math></b>
<b>b =</b>	<b>11,5 cm</b>	<b><math>\beta =</math></b>	
<b>c =</b>		<b><math>\gamma =</math></b>	<b><math>74^\circ</math></b>



ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>16,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	<b>41°</b>
<b>c =</b>		<b>γ =</b>	



Angabe und Lösung Aufgabe  
– Stadt der Dreiecke:

Variante Nr.

1

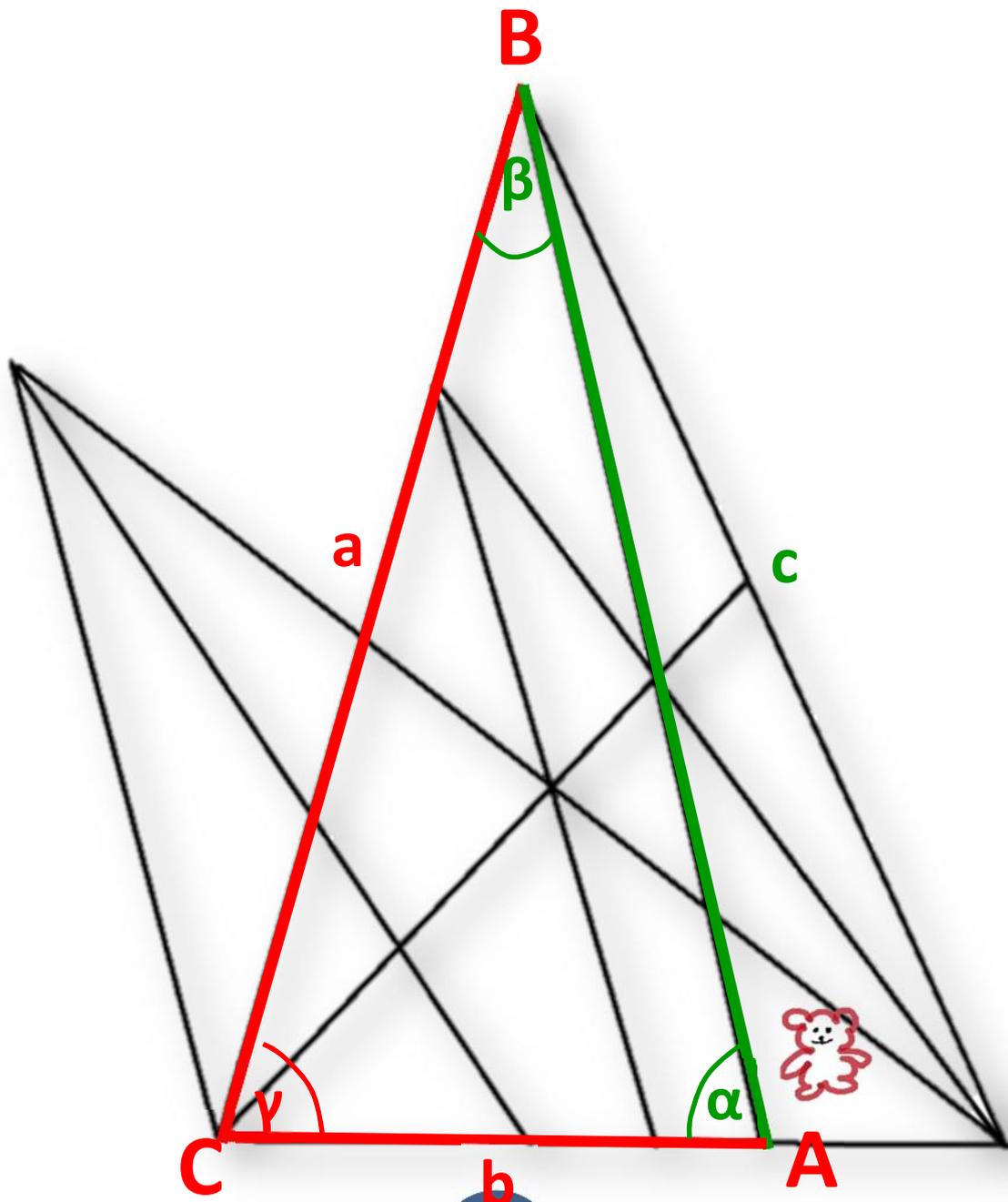
ANGABE:



befindet sich  
am Punkt

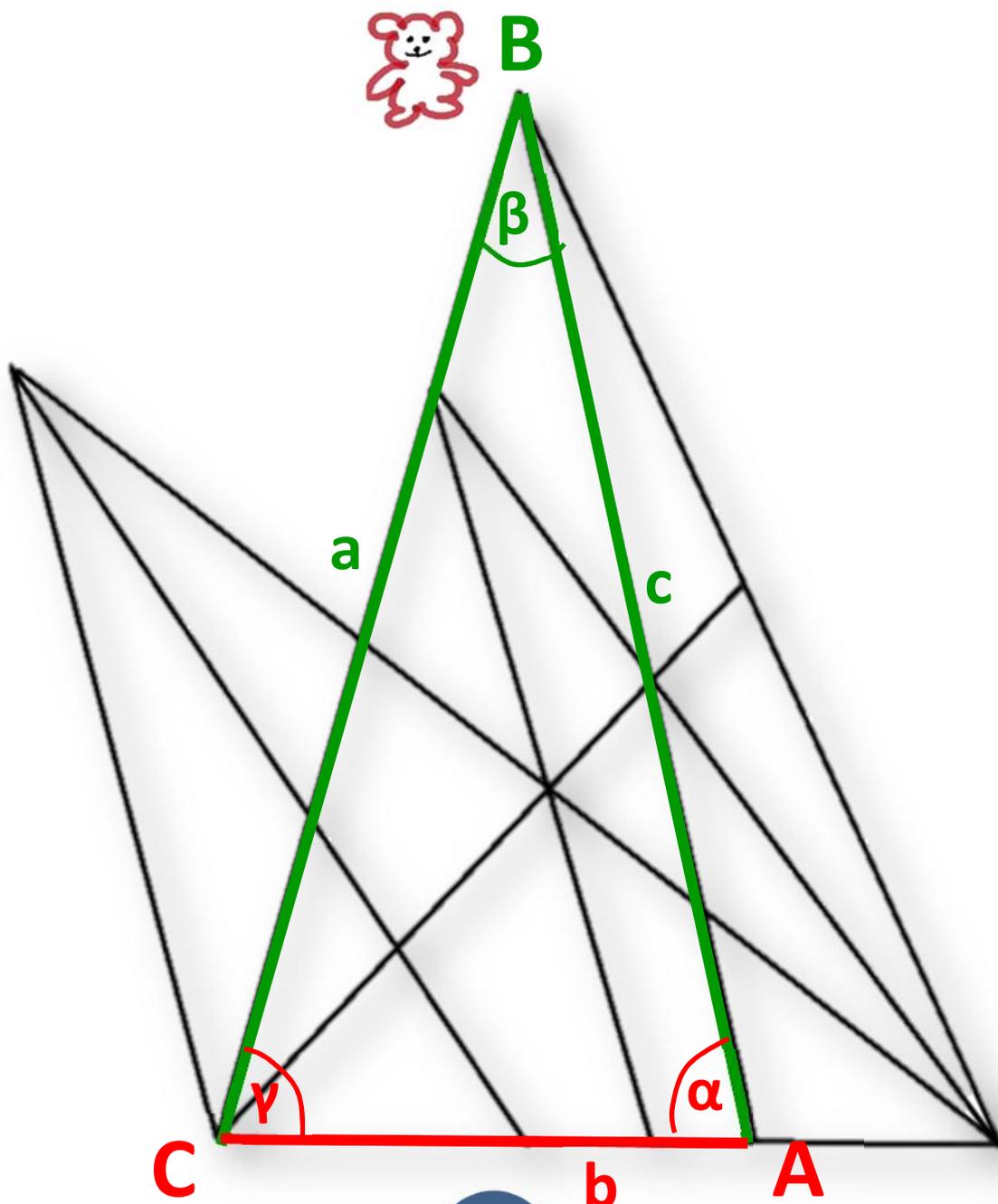
A

$a =$	16,0 cm	$\alpha =$	
$b =$	7,9 cm	$\beta =$	
$c =$		$\gamma =$	74°



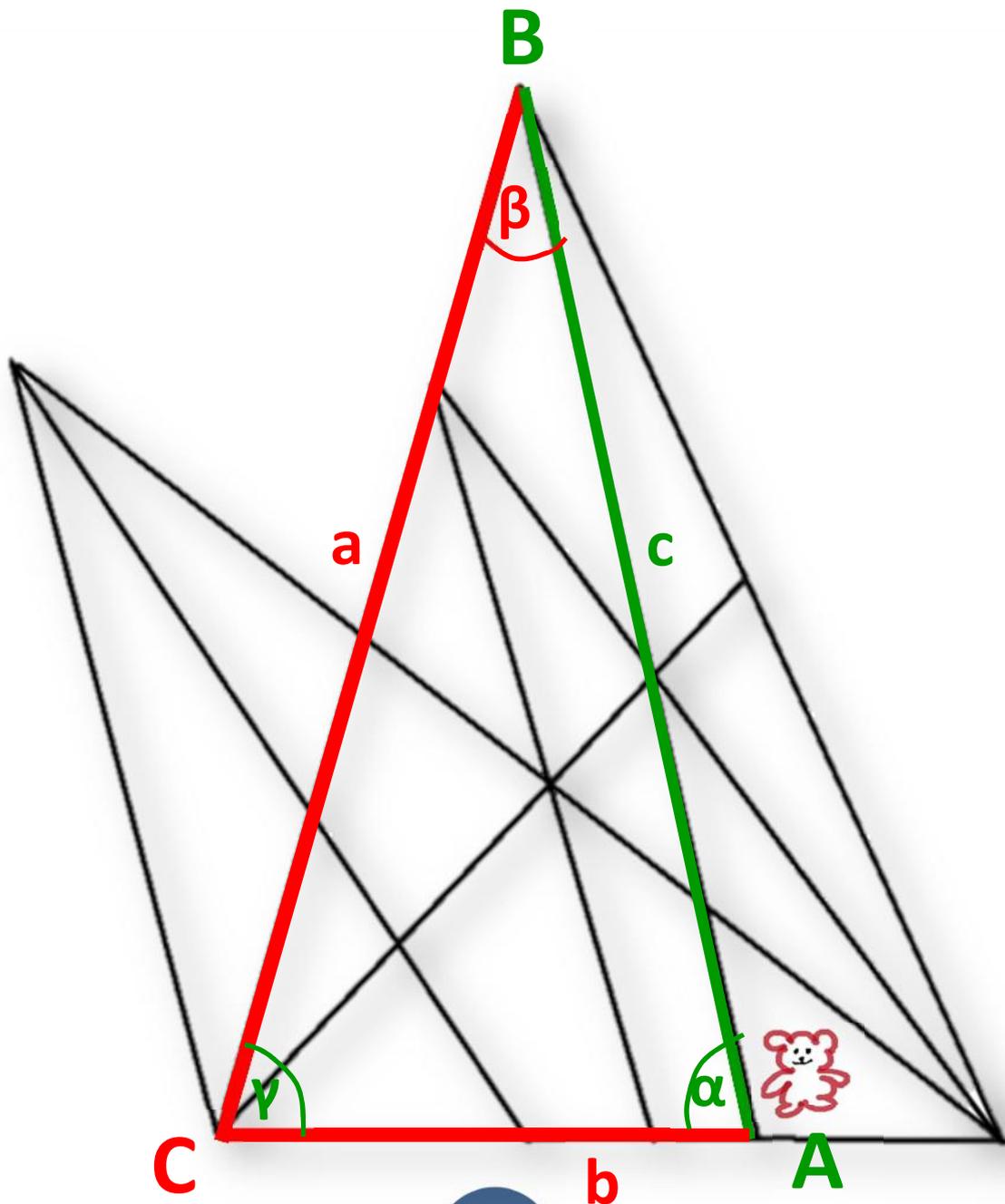
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	78°
b =	7,9 cm	$\beta =$	
c =		$\gamma =$	74°



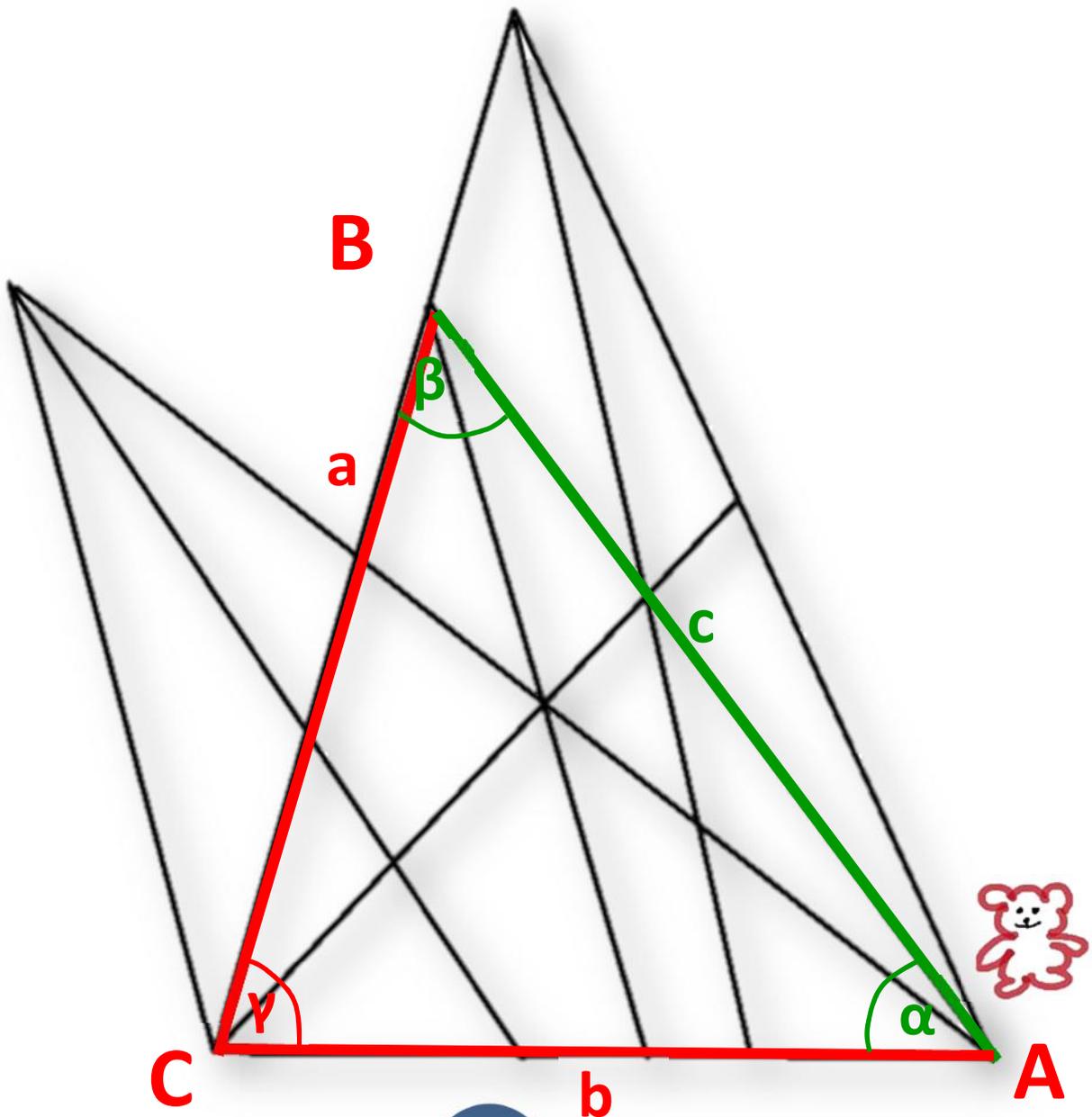
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>16,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>7,9 cm</b>	<b>β =</b>	<b>29°</b>
<b>c =</b>		<b>γ =</b>	



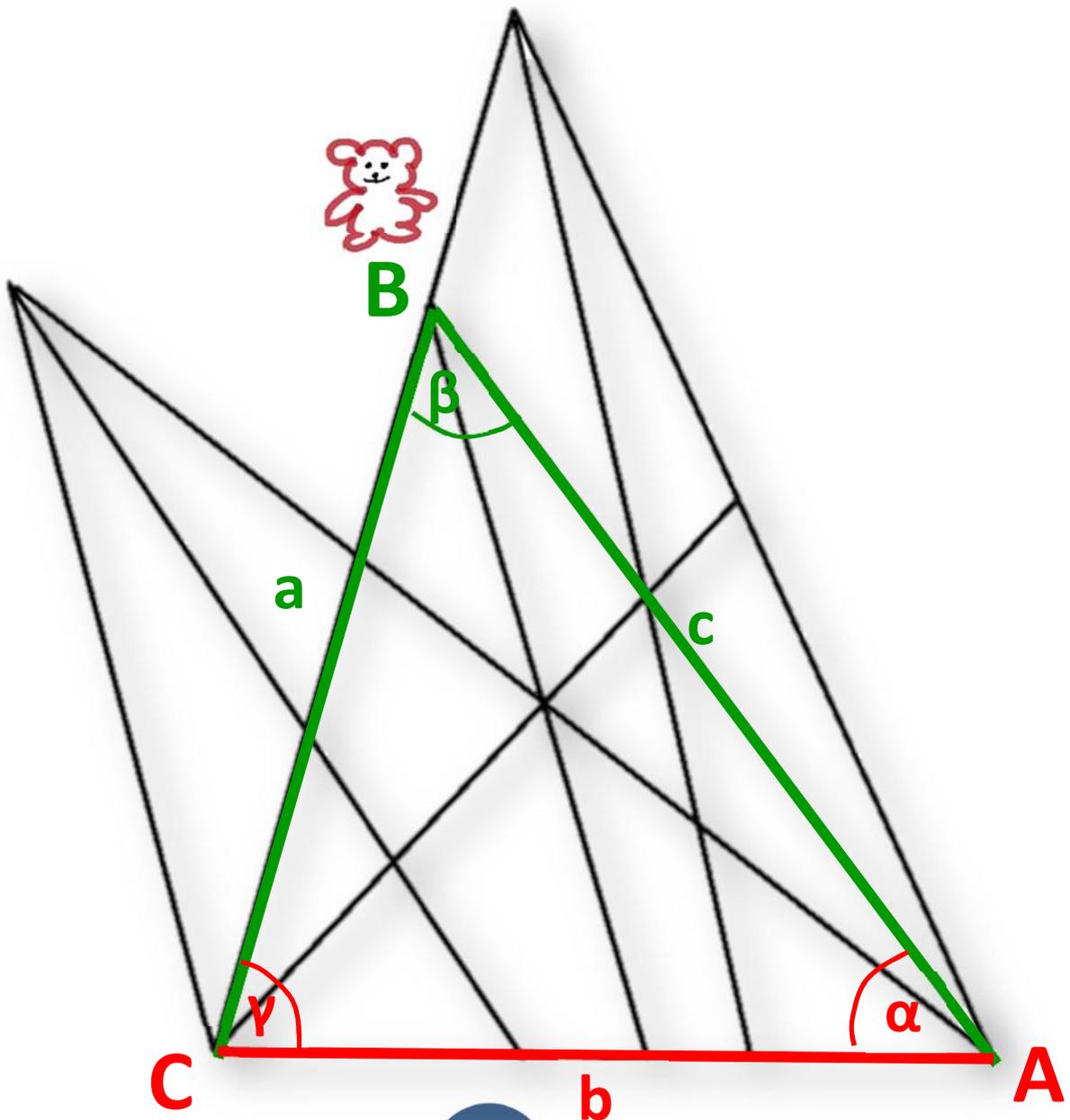
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,7 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>74°</b>



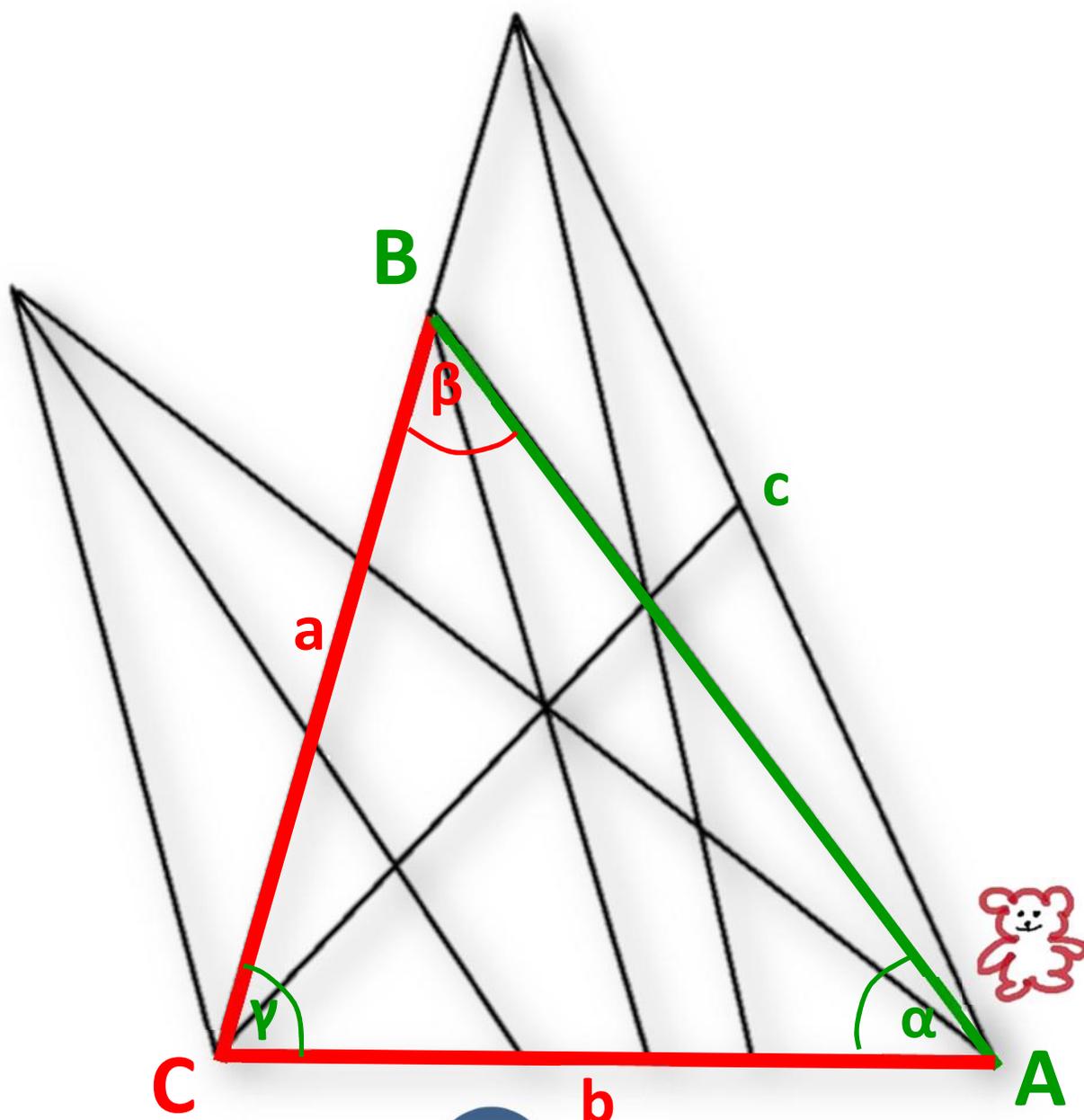
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	54°
b =	11,5 cm	$\beta =$	
c =		$\gamma =$	74°



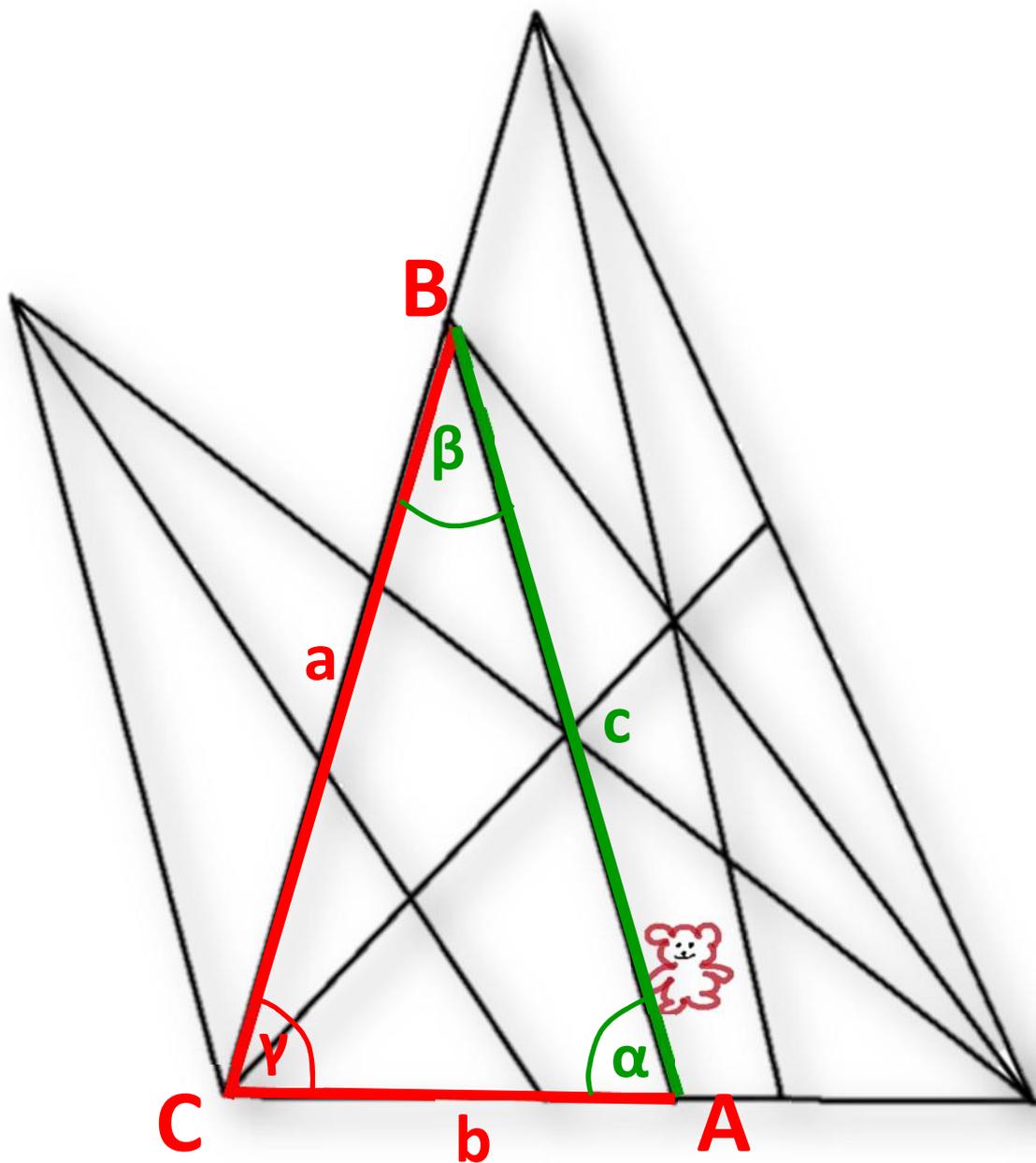
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,7 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	<b>53°</b>
<b>c =</b>		<b>γ =</b>	



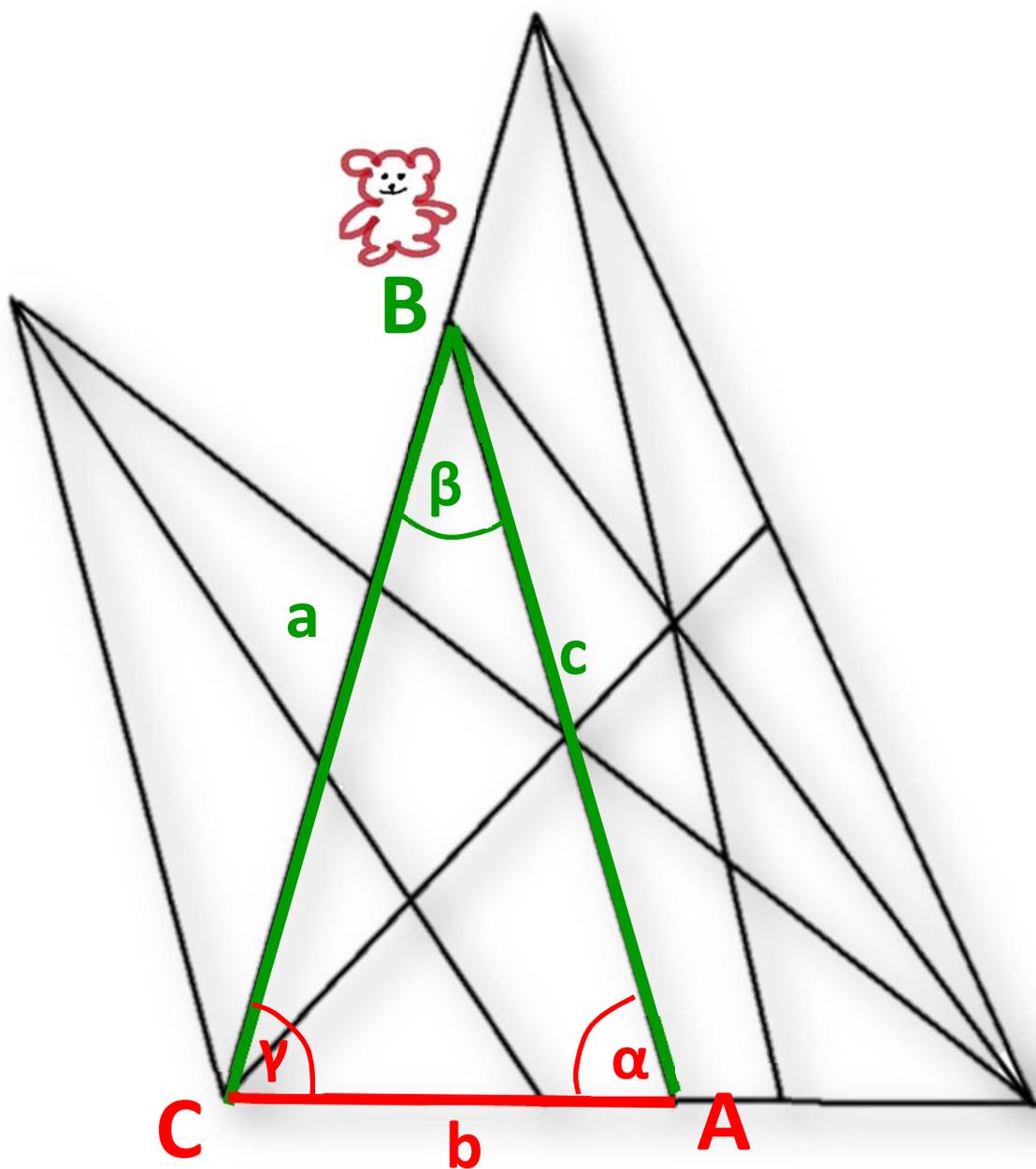
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,7 cm</b>	<b>α =</b>	
<b>b =</b>	<b>6,4 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>74°</b>



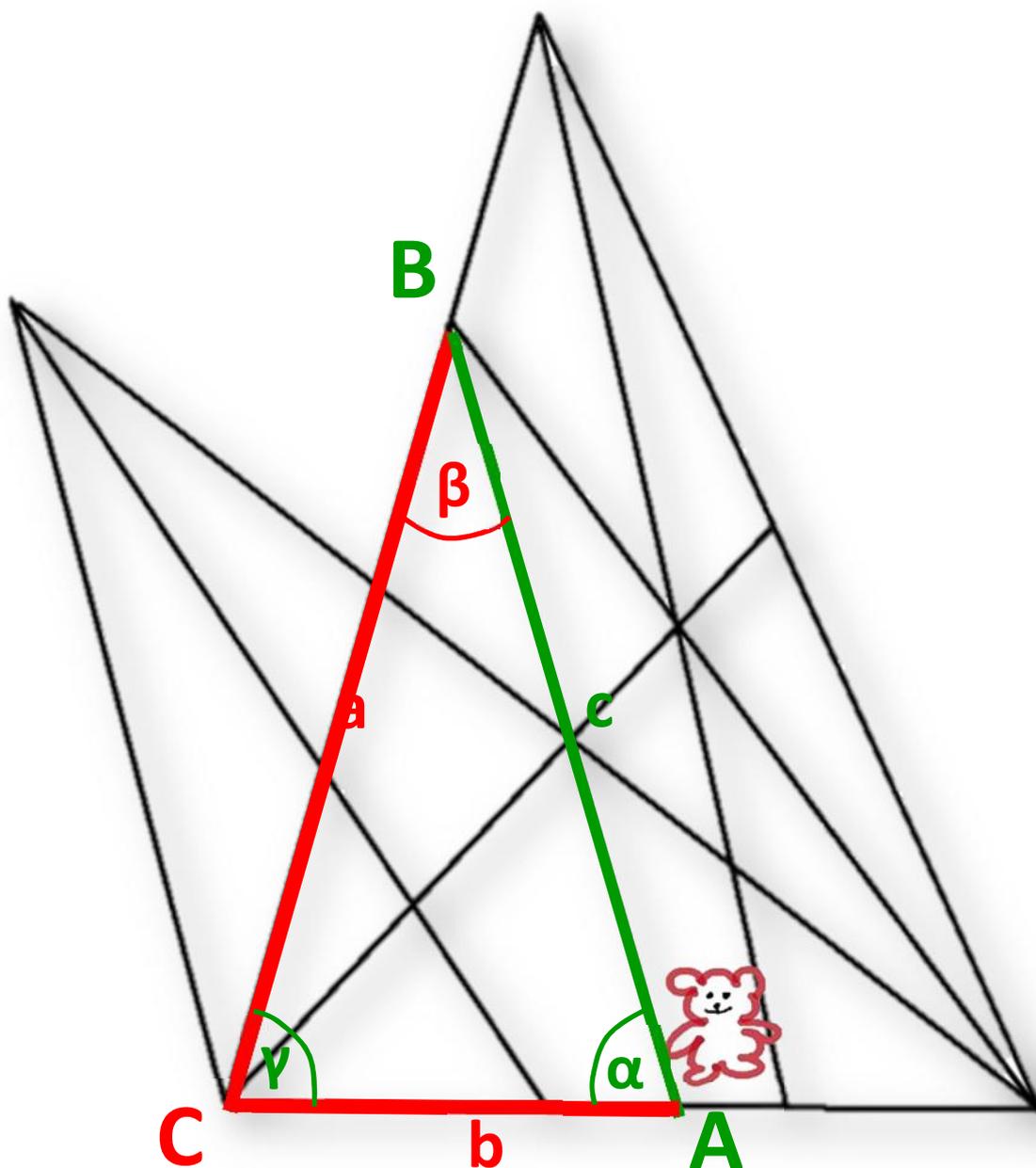
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	75°
b =	6,4 cm	$\beta =$	
c =		$\gamma =$	74°



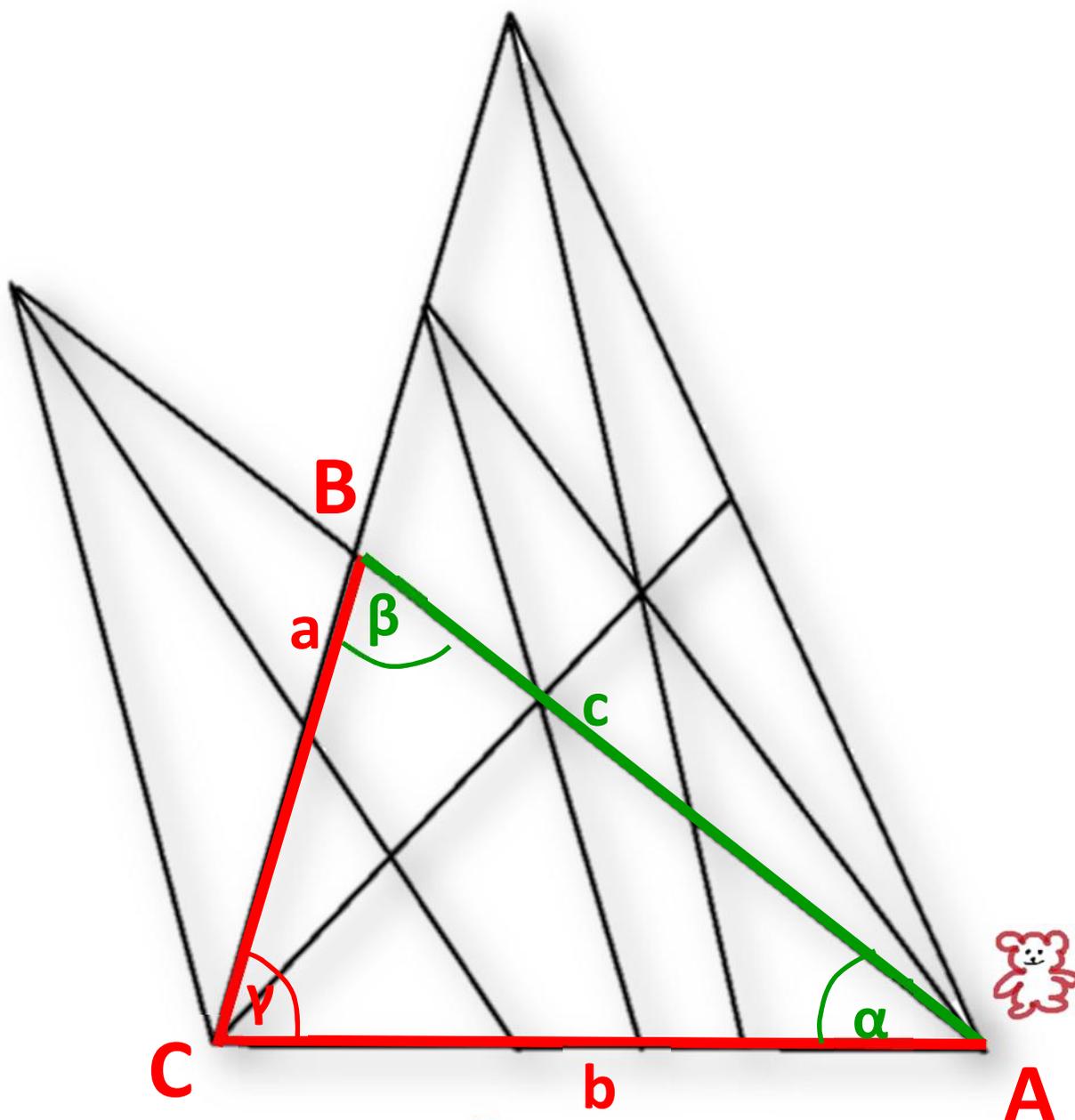
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,7 cm</b>	<b>α =</b>	
<b>b =</b>	<b>6,4 cm</b>	<b>β =</b>	<b>32°</b>
<b>c =</b>		<b>γ =</b>	



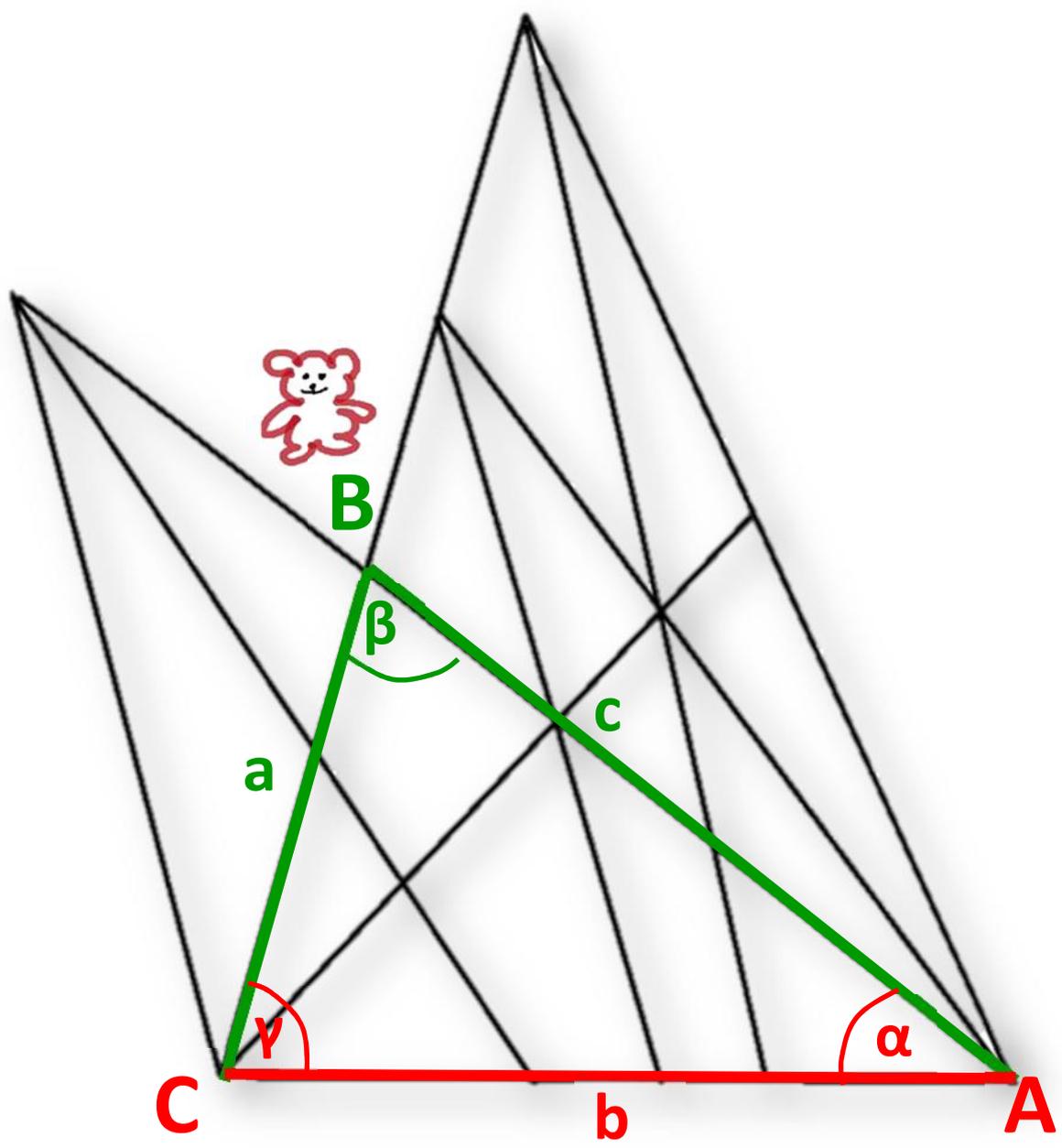
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>7,6 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>74°</b>



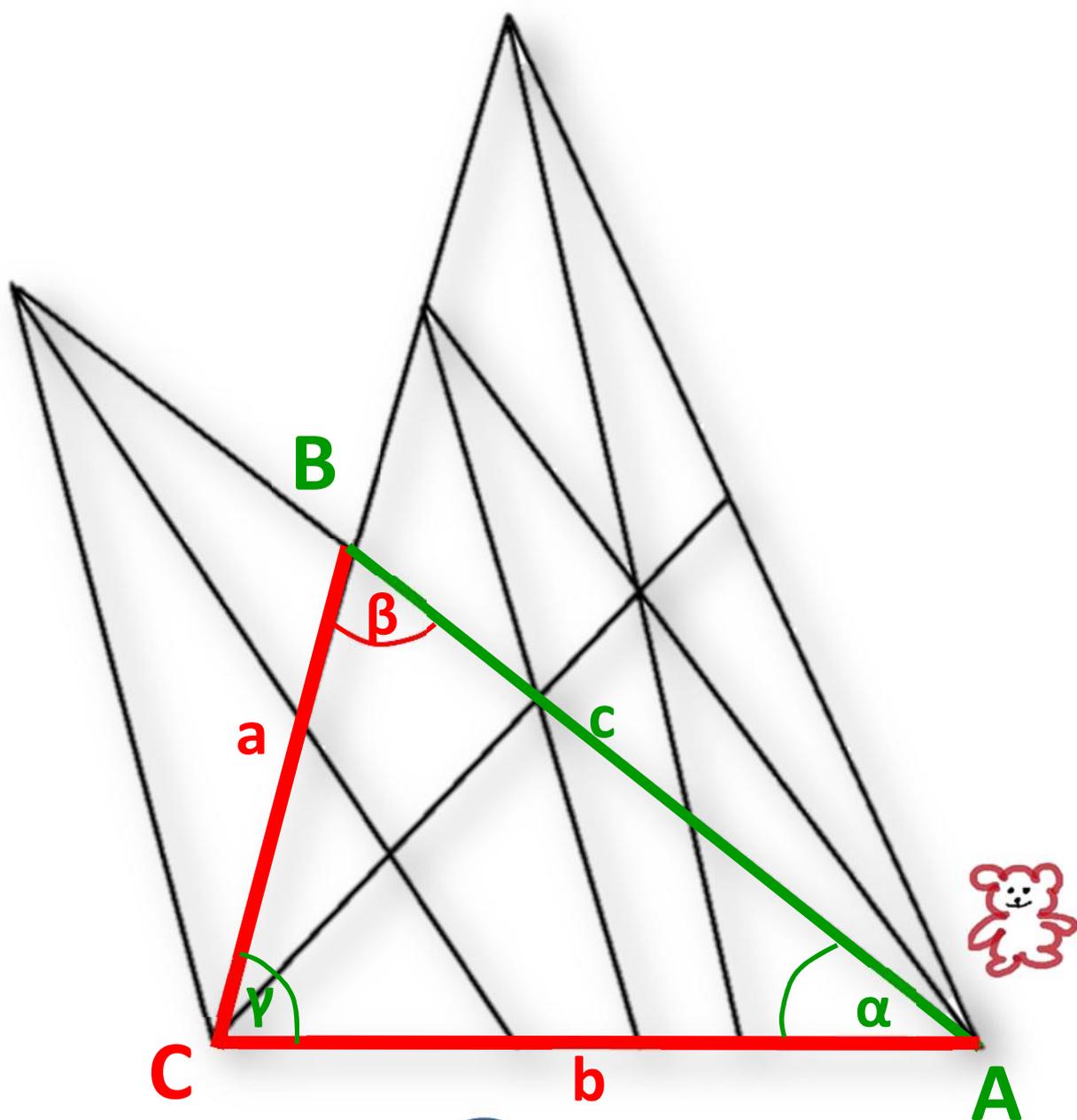
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	$39^\circ$
b =	11,5 cm	$\beta =$	
c =		$\gamma =$	$74^\circ$



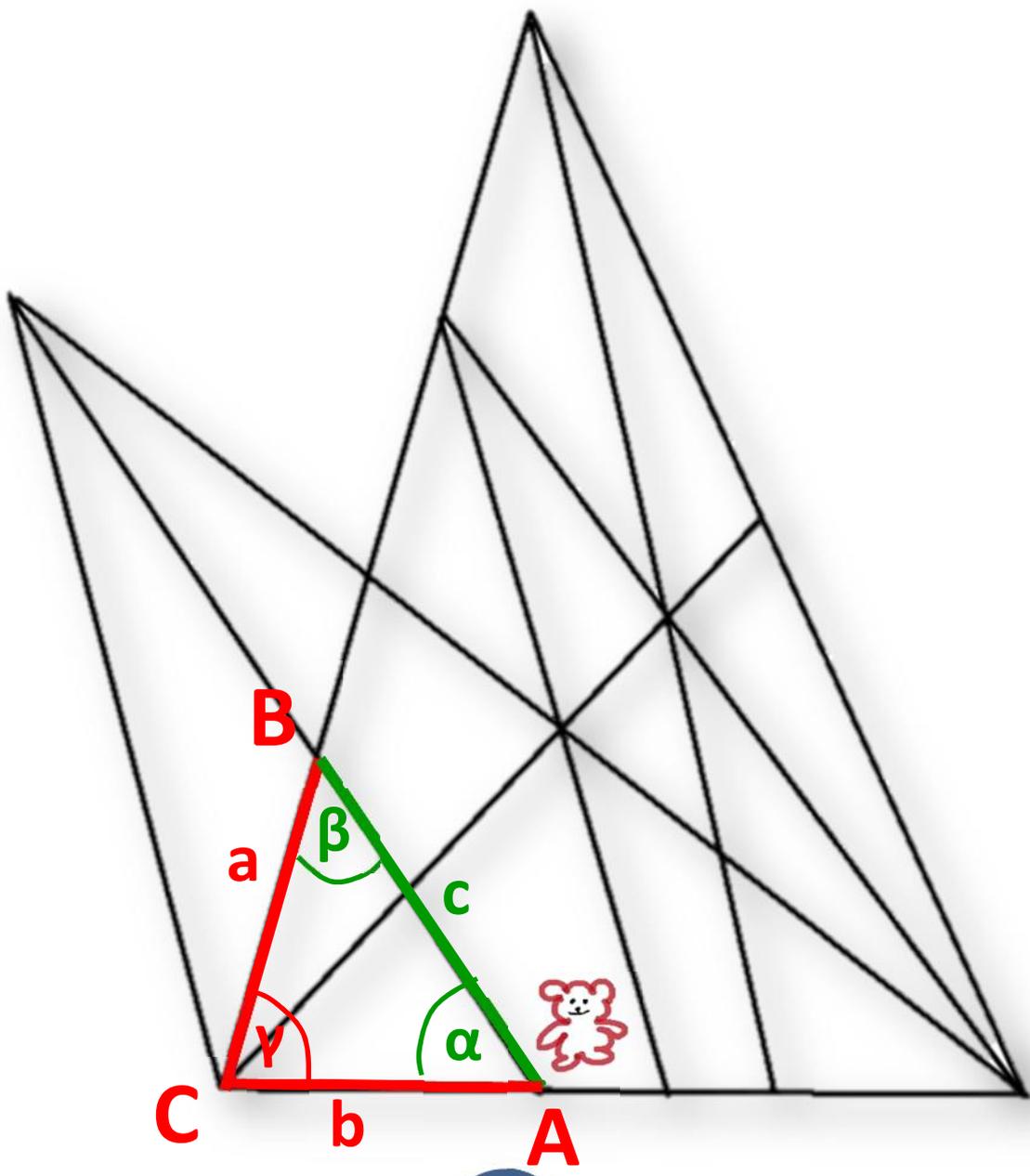
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>7,6 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	<b>68°</b>
<b>c =</b>		<b>γ =</b>	



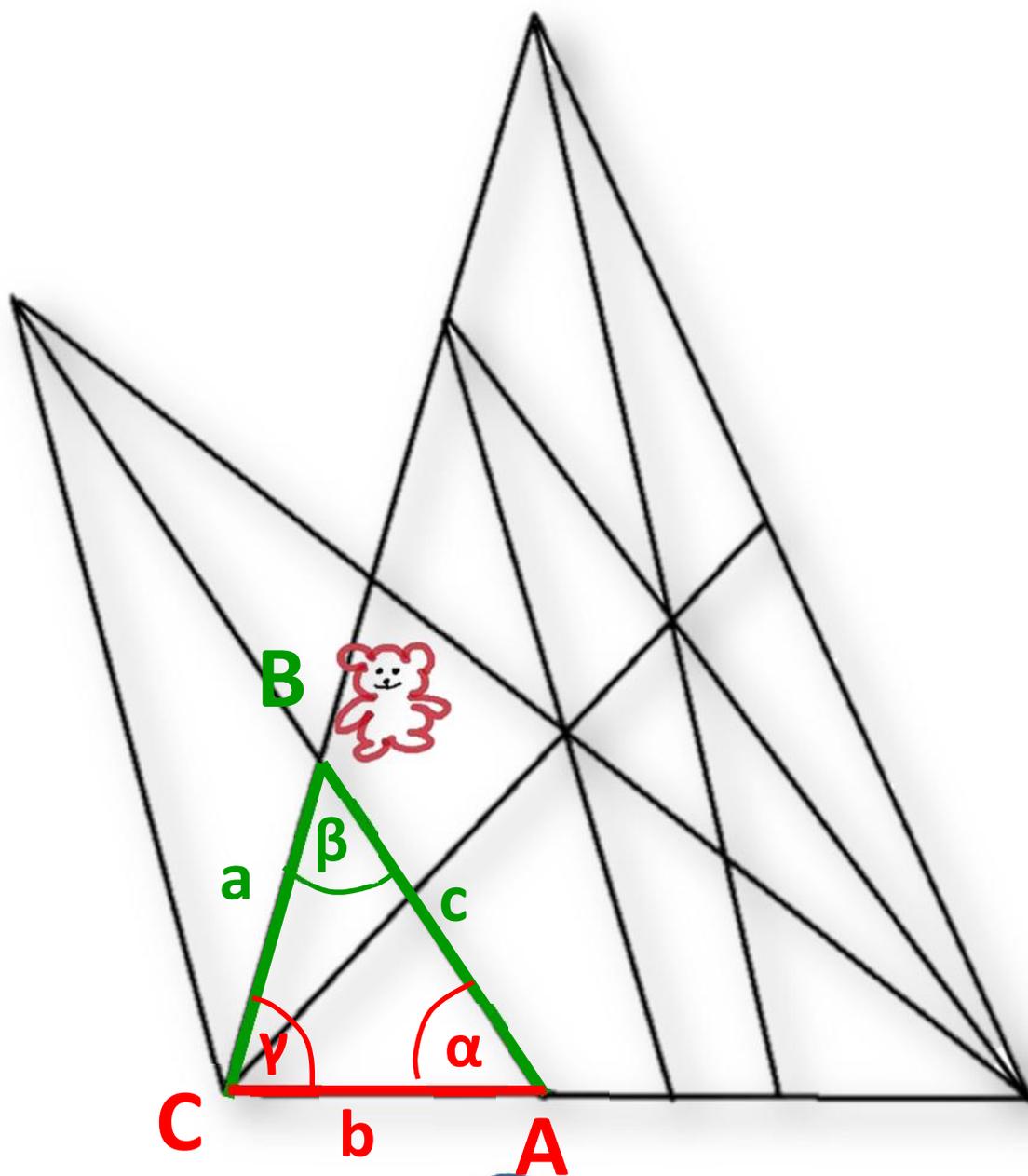
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>5,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>4,6 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>74°</b>



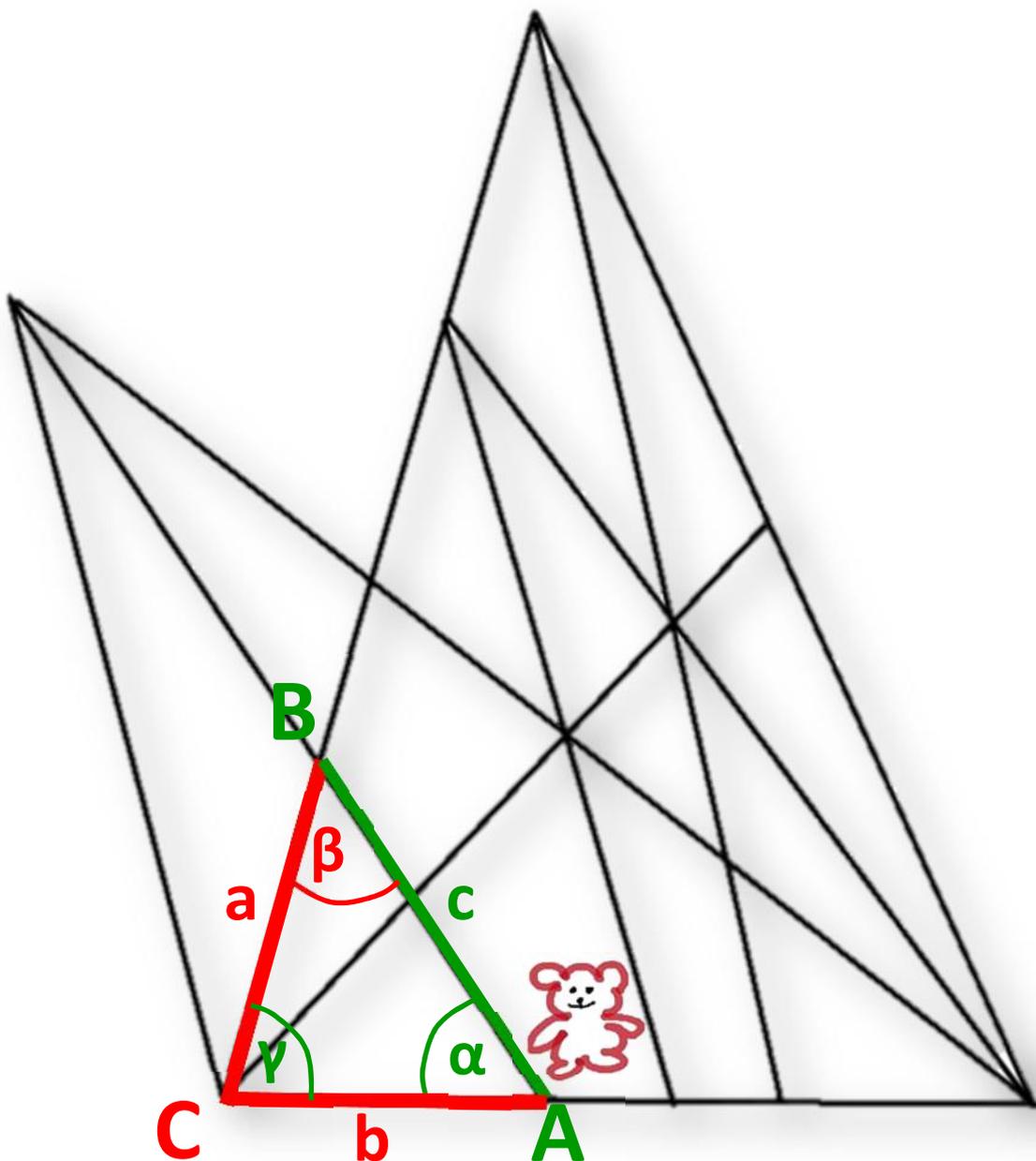
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	$57^\circ$
b =	4,6 cm	$\beta =$	
c =		$\gamma =$	$74^\circ$



ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>5,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>4,6 cm</b>	<b>β =</b>	<b>50°</b>
<b>c =</b>		<b>γ =</b>	



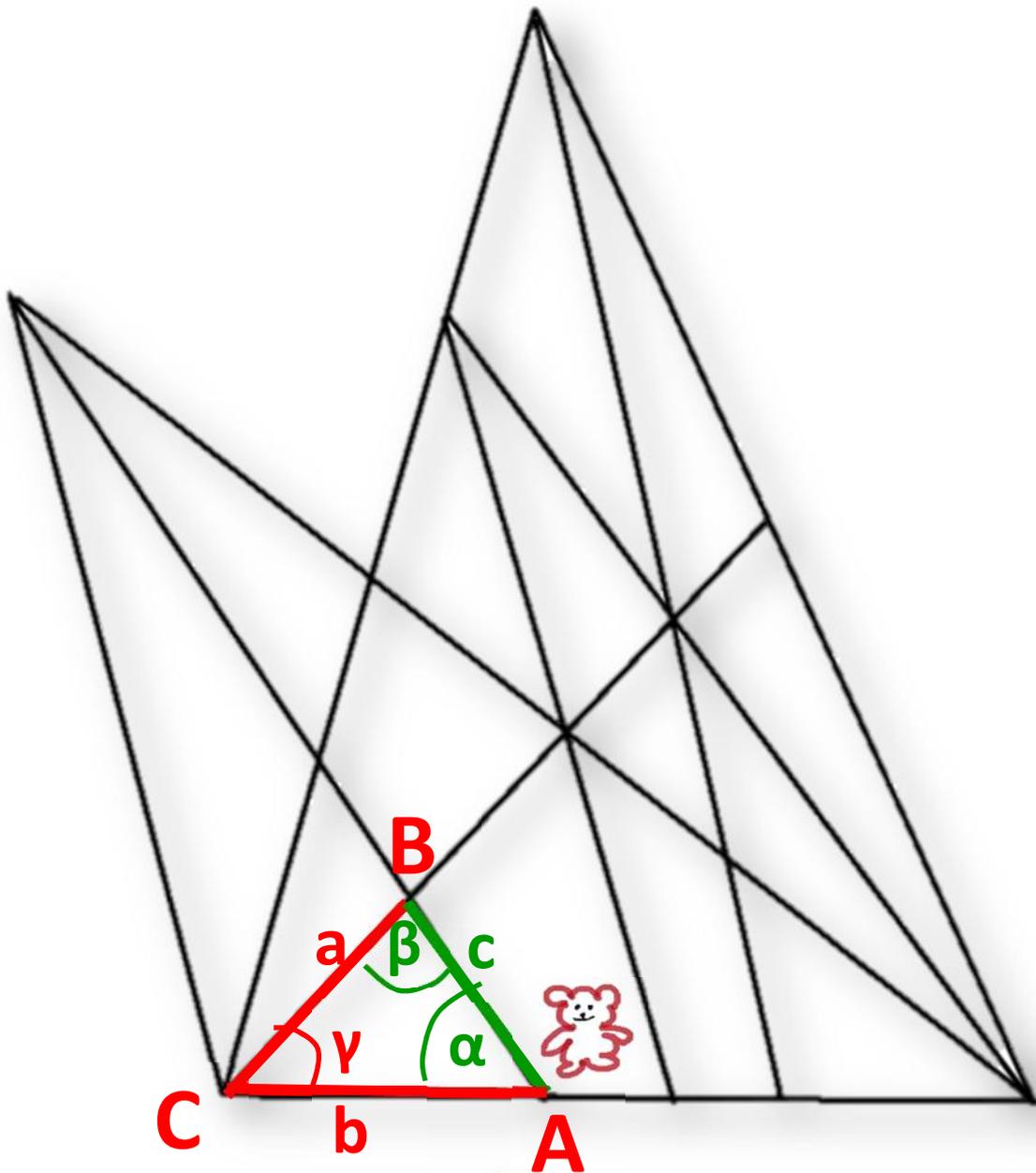
ANGABE:



befindet sich  
am Punkt

**A**

<b>a =</b>	<b>3,9 cm</b>	<b>α =</b>	
<b>b =</b>	<b>4,5 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>47°</b>



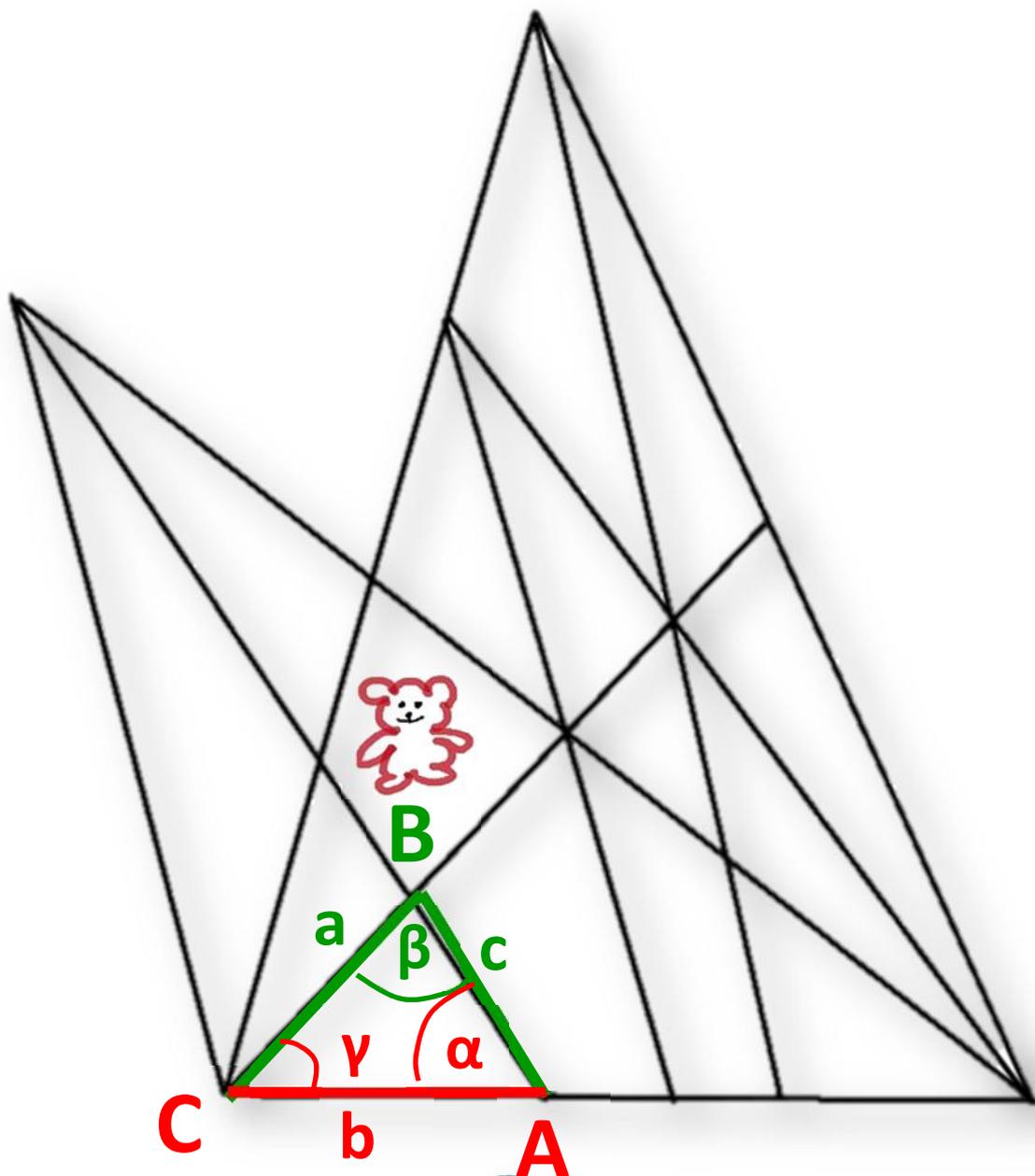
ANGABE:



befindet sich  
am Punkt

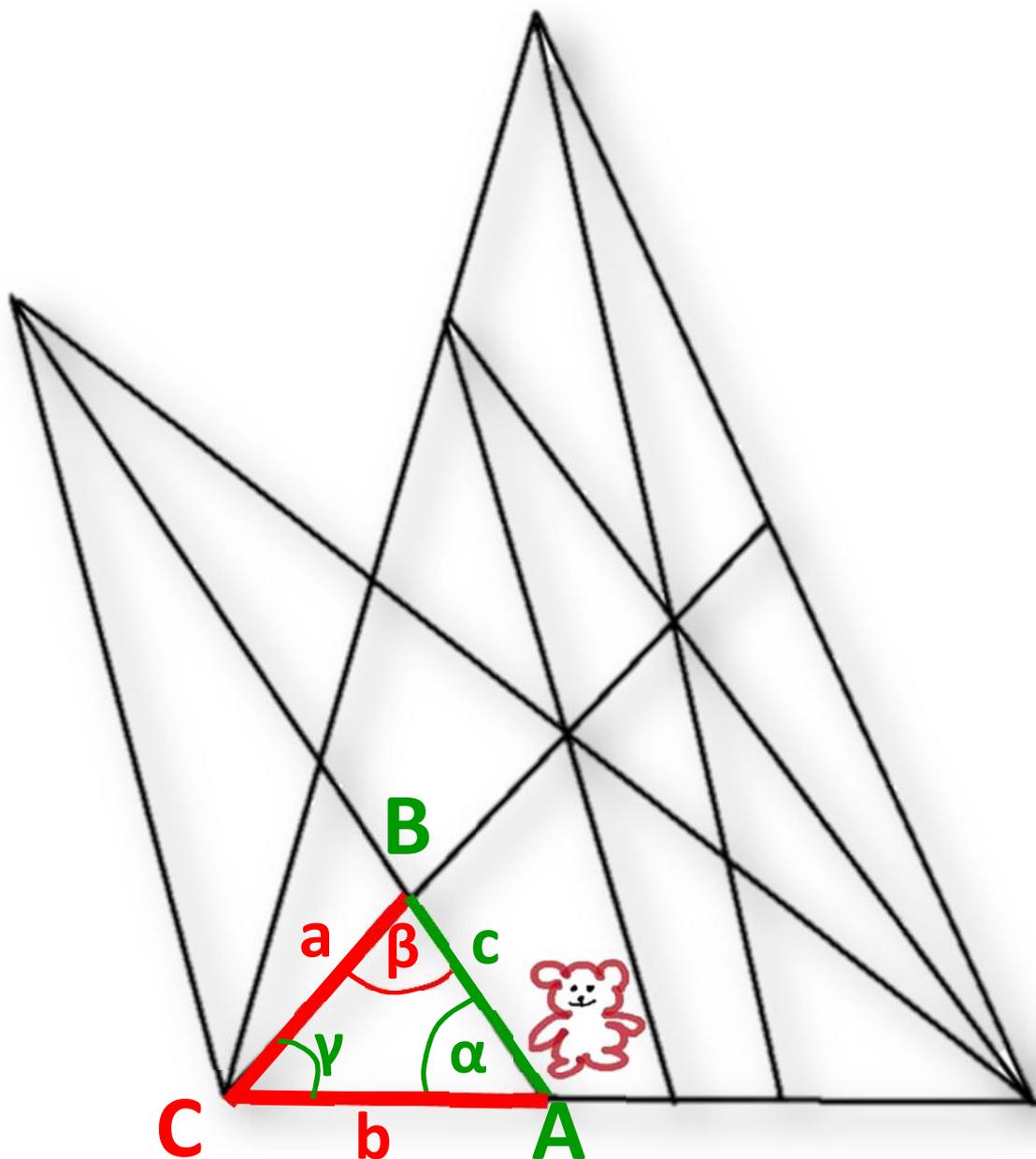
**B**

a =		$\alpha =$	$57^\circ$
b =	4,6 cm	$\beta =$	
c =		$\gamma =$	$47^\circ$



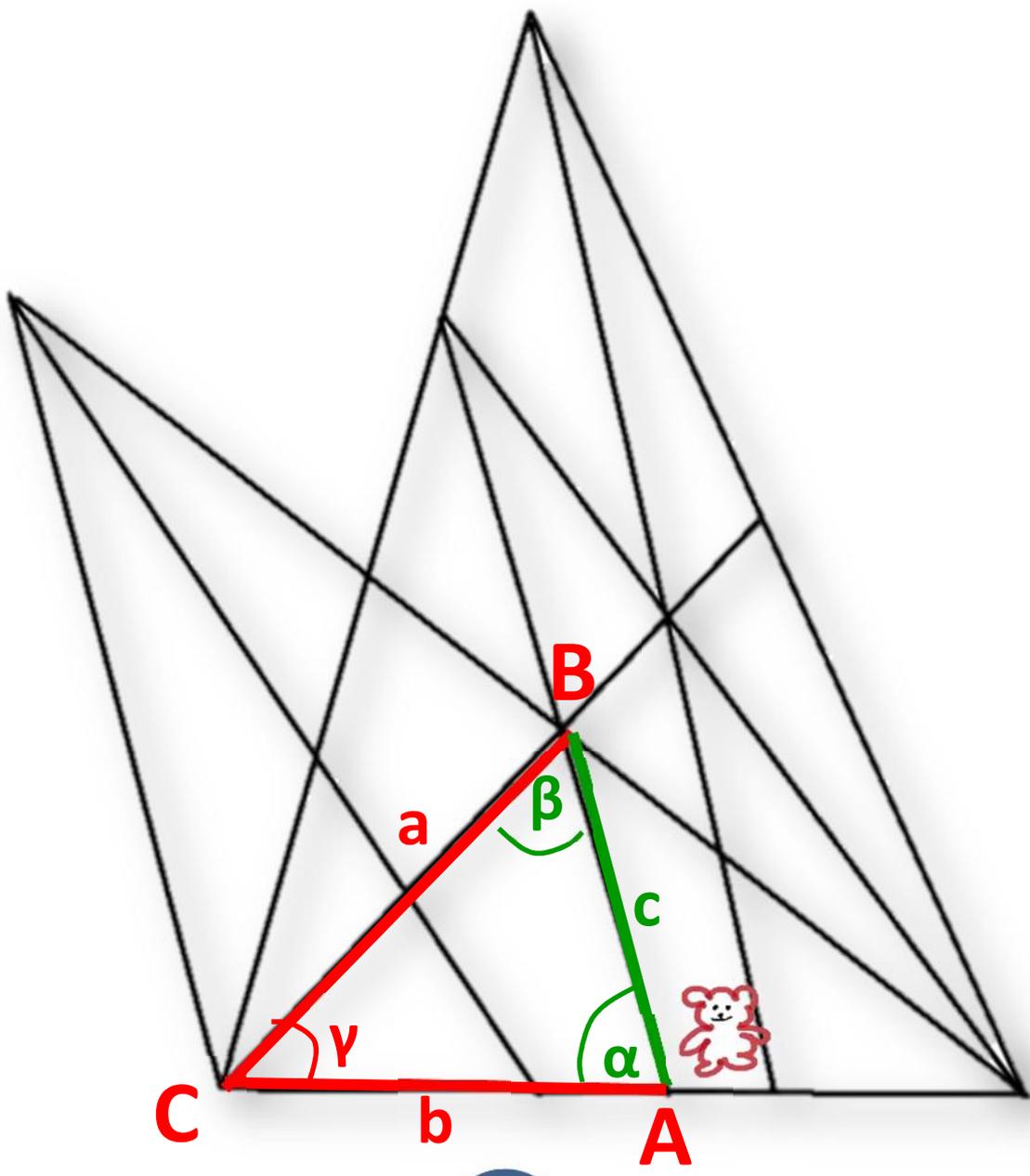
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>4,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>4,6 cm</b>	<b>β =</b>	<b>76°</b>
<b>c =</b>		<b>γ =</b>	



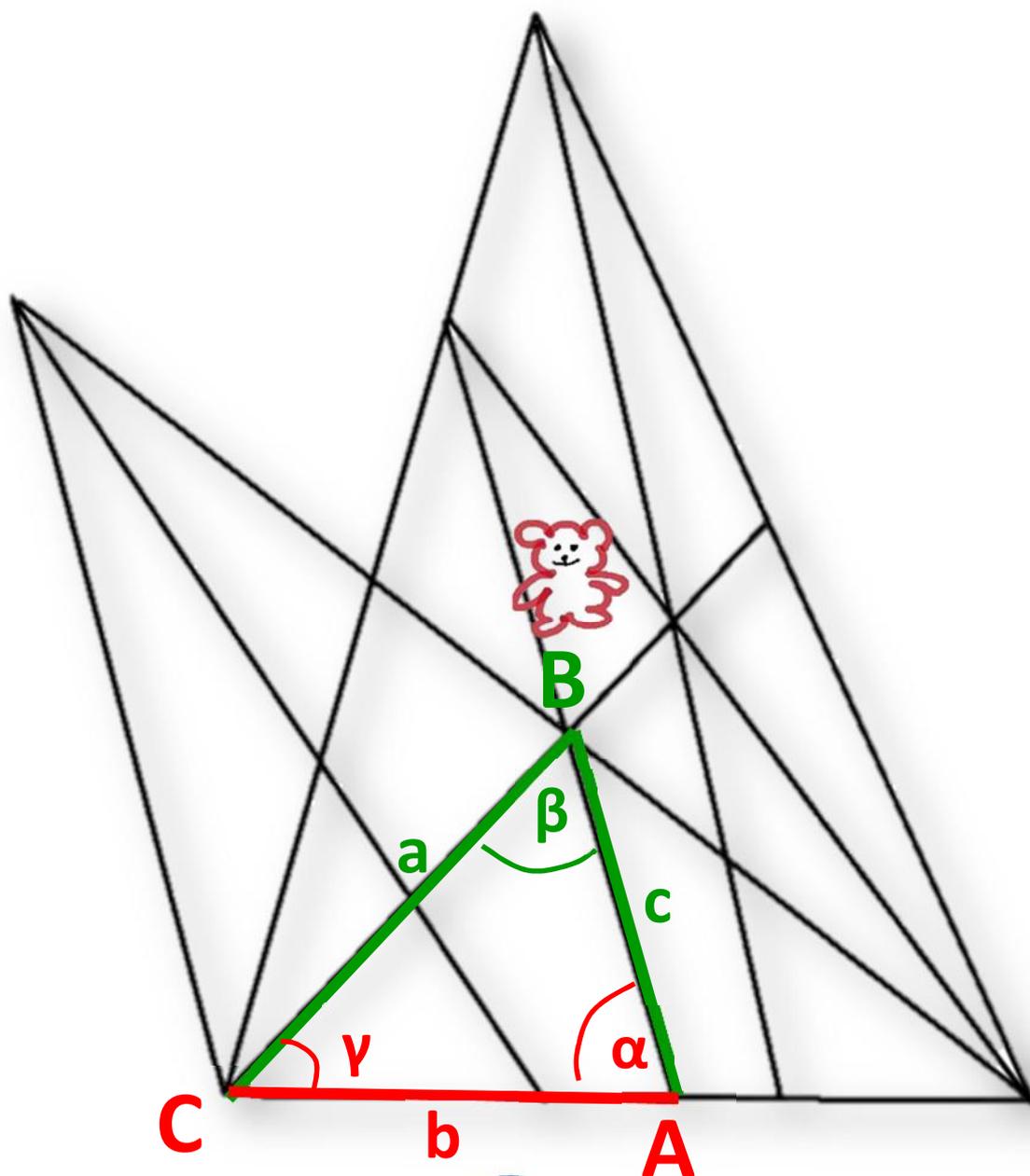
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>7,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>6,4 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>47°</b>



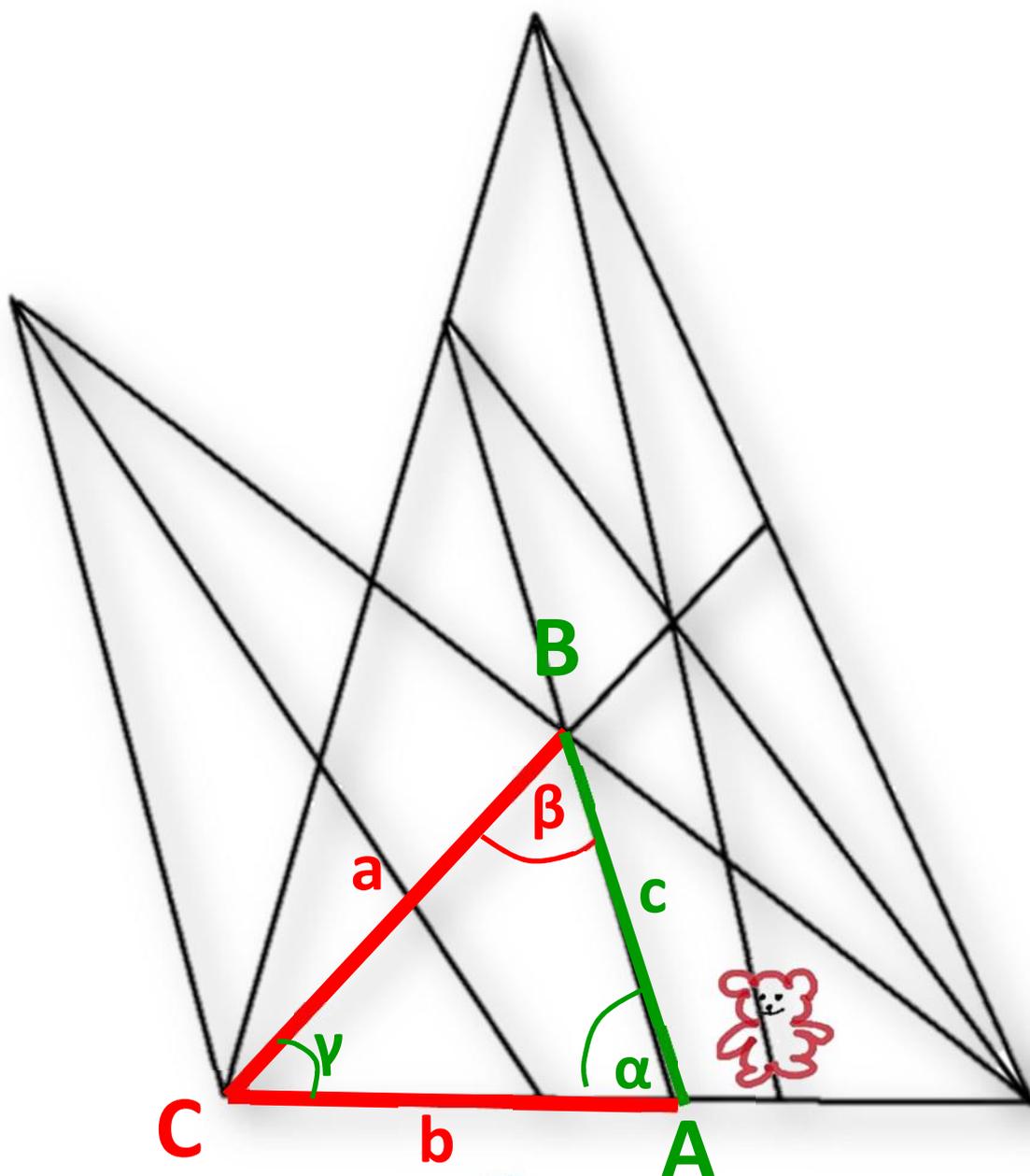
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	$75^\circ$
b =	6,4 cm	$\beta =$	
c =		$\gamma =$	$47^\circ$



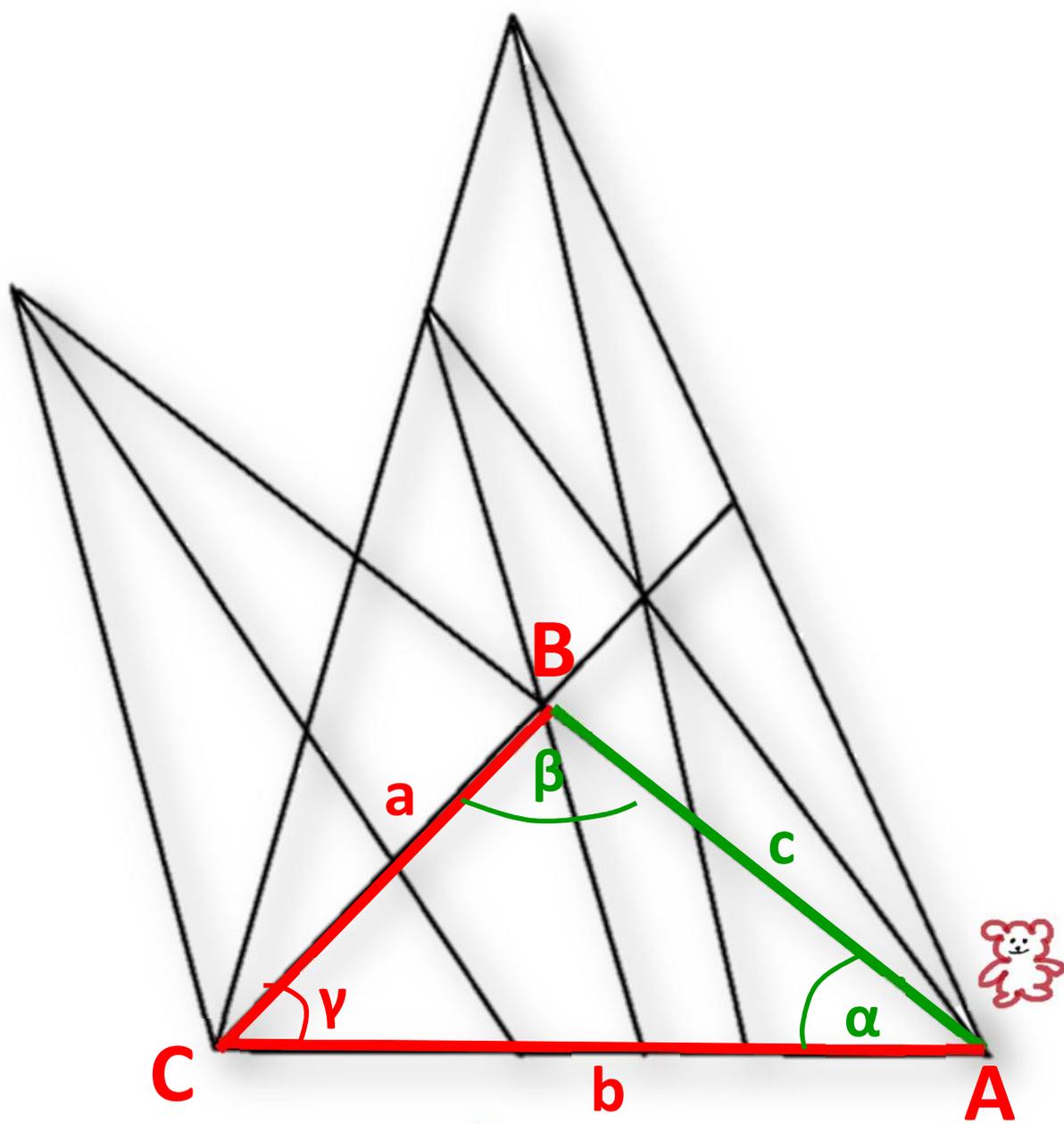
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>7,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>6,4 cm</b>	<b>β =</b>	<b>59°</b>
<b>c =</b>		<b>γ =</b>	



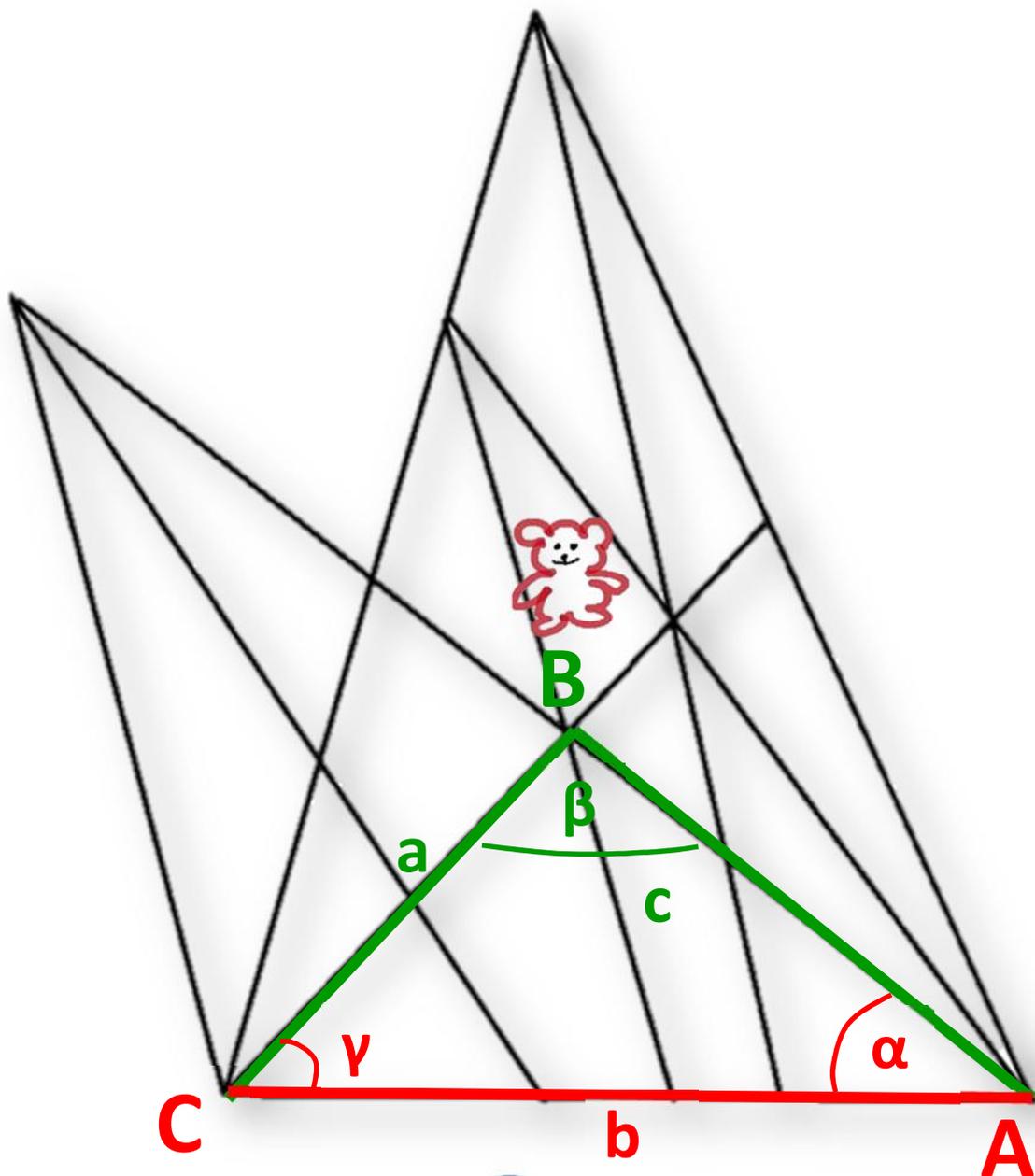
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>7,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>47°</b>



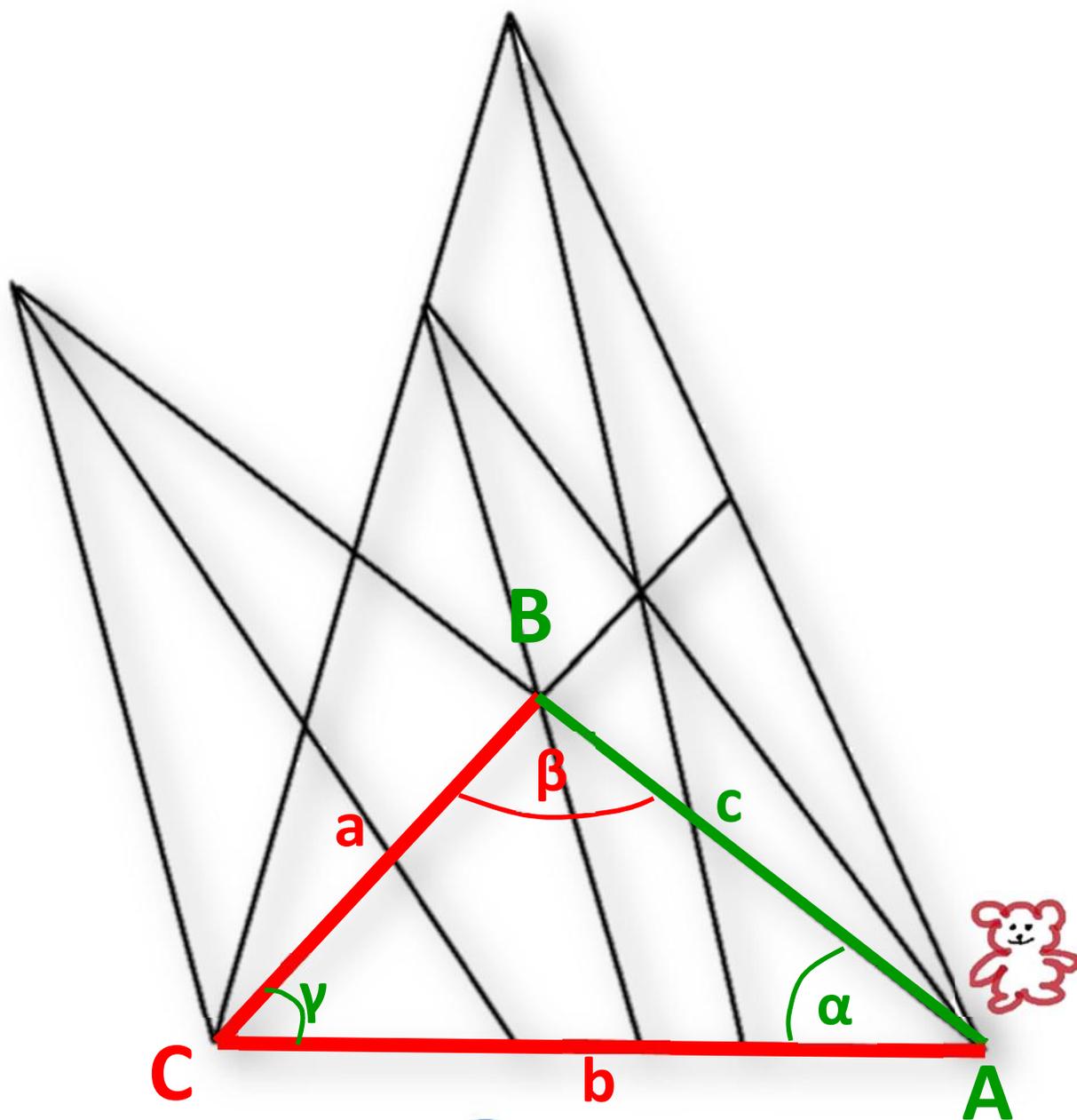
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	$39^\circ$
b =	11,5 cm	$\beta =$	
c =		$\gamma =$	$47^\circ$



ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>7,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	<b>95°</b>
<b>c =</b>		<b>γ =</b>	



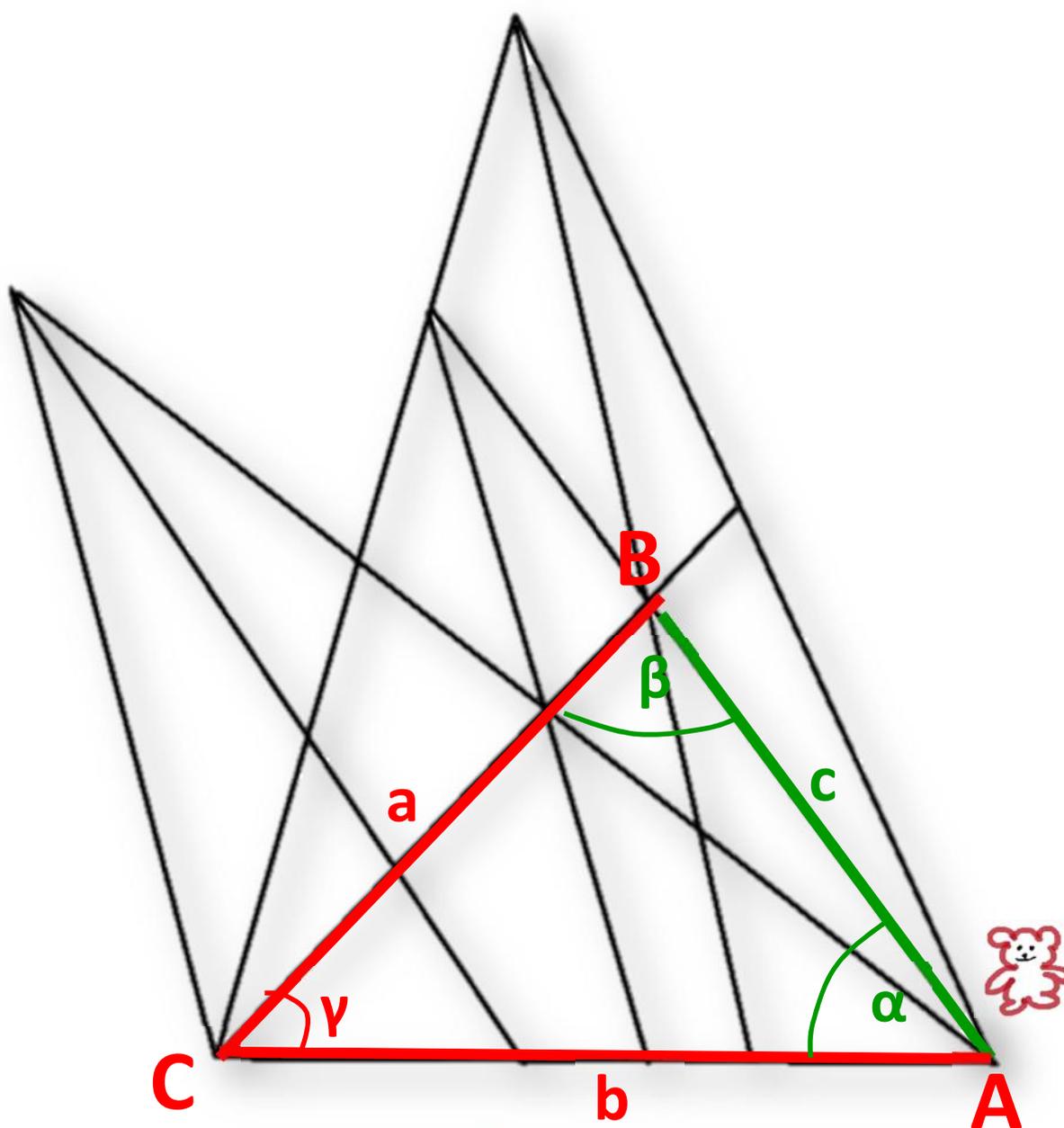
ANGABE:



befindet sich  
am Punkt

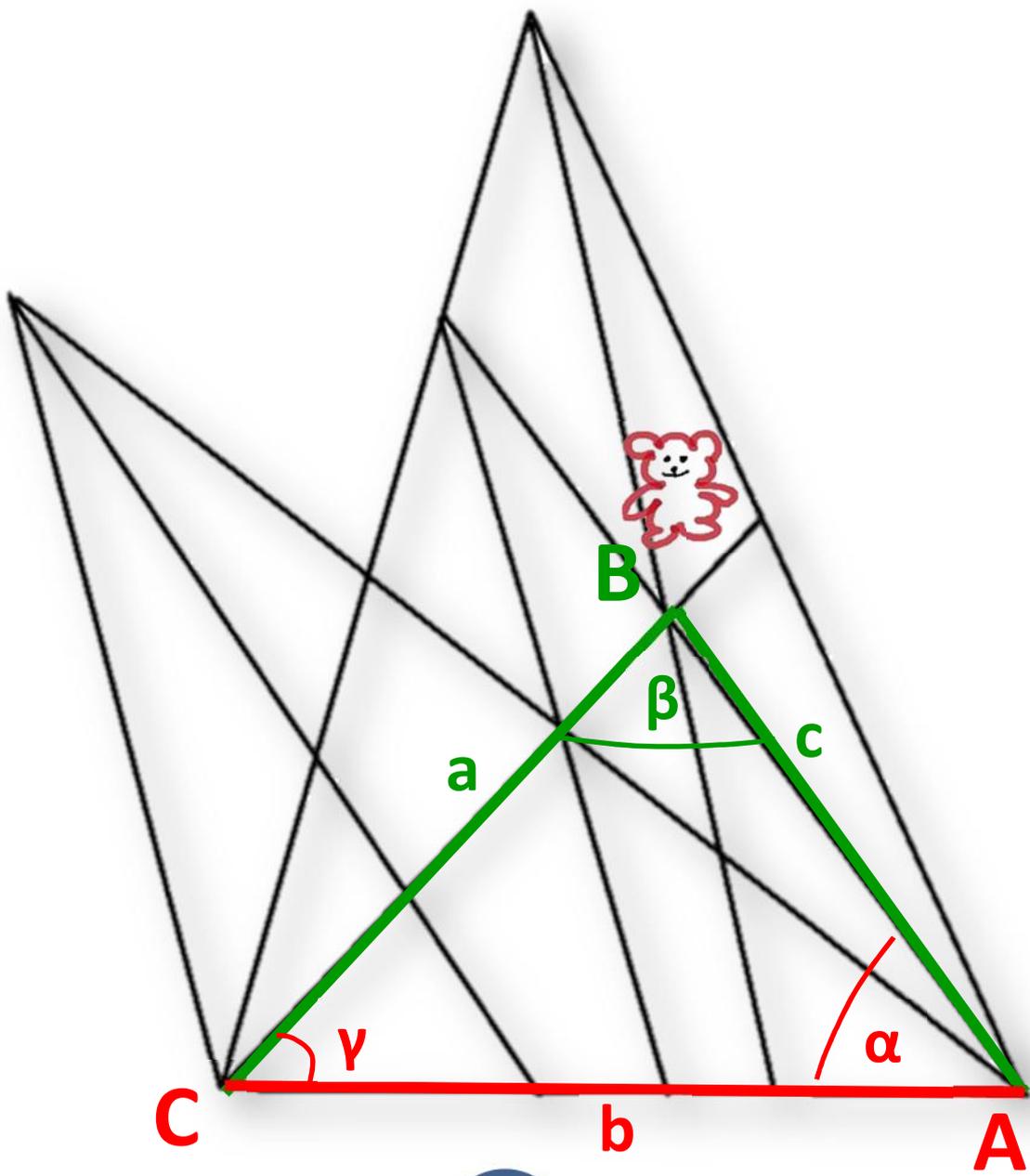
**A**

<b>a =</b>	<b>9,5 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>47°</b>



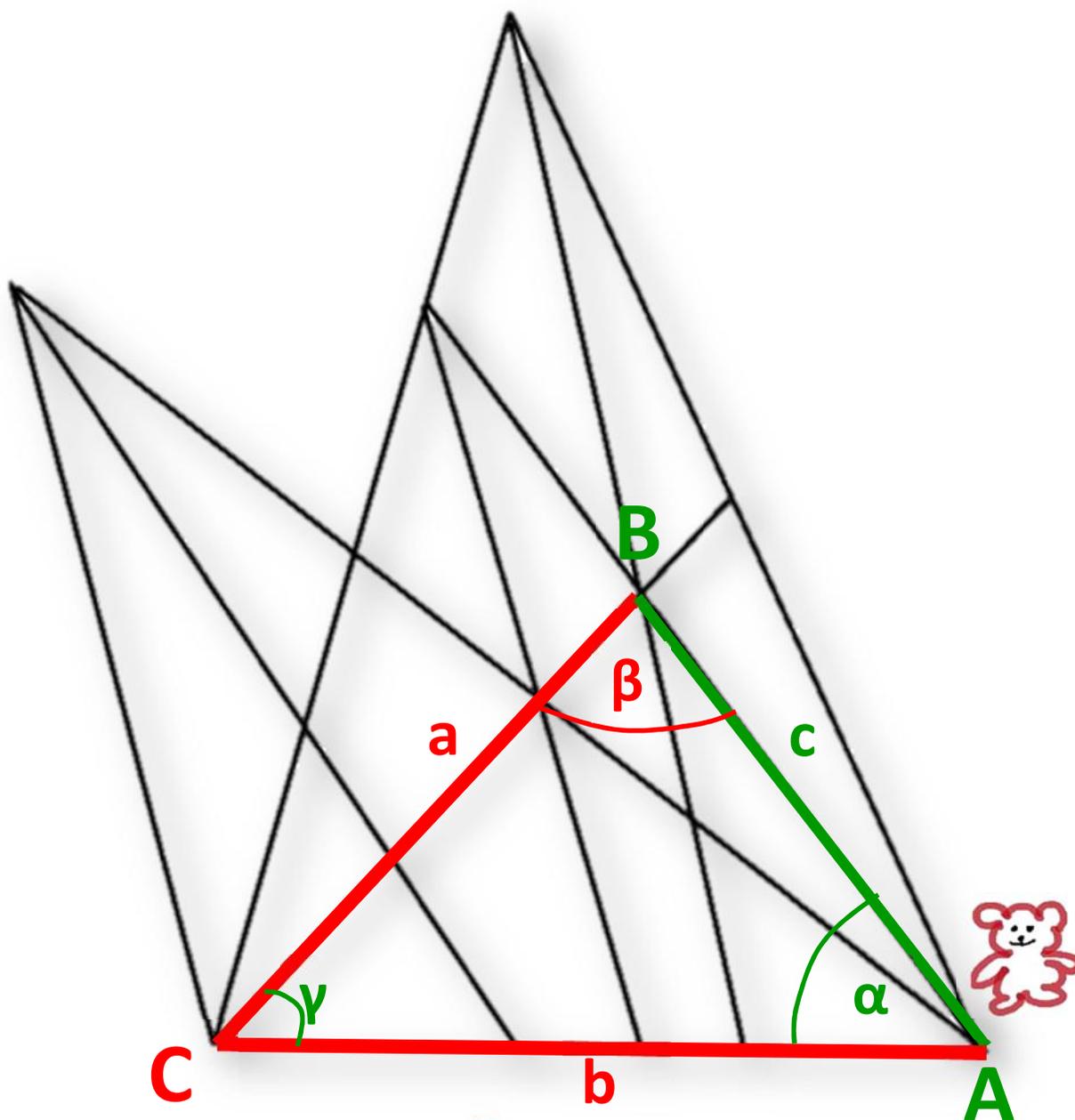
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	$55^\circ$
b =	11,5 cm	$\beta =$	
c =		$\gamma =$	$47^\circ$



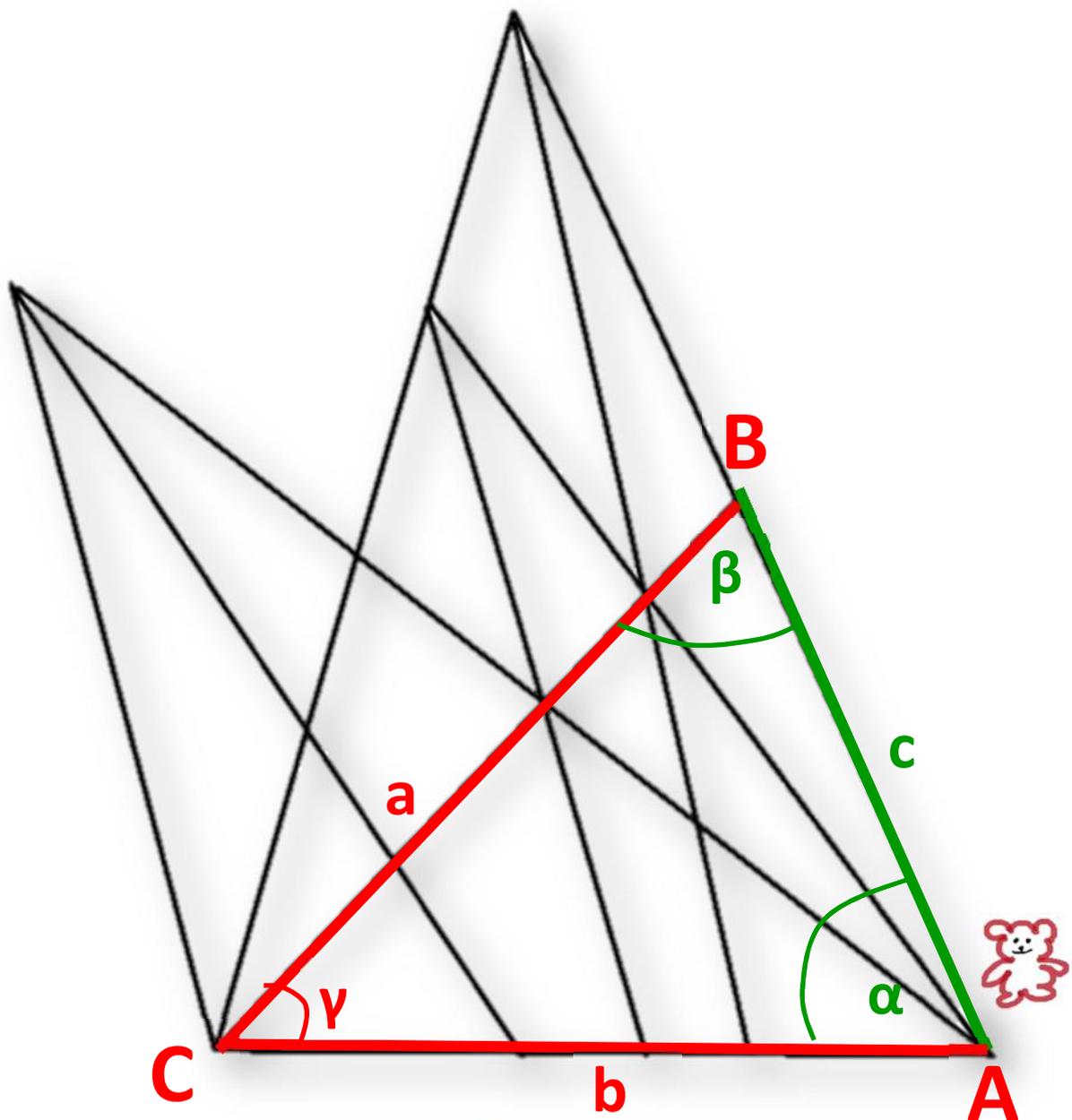
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>9,5 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	<b>79°</b>
<b>c =</b>		<b>γ =</b>	



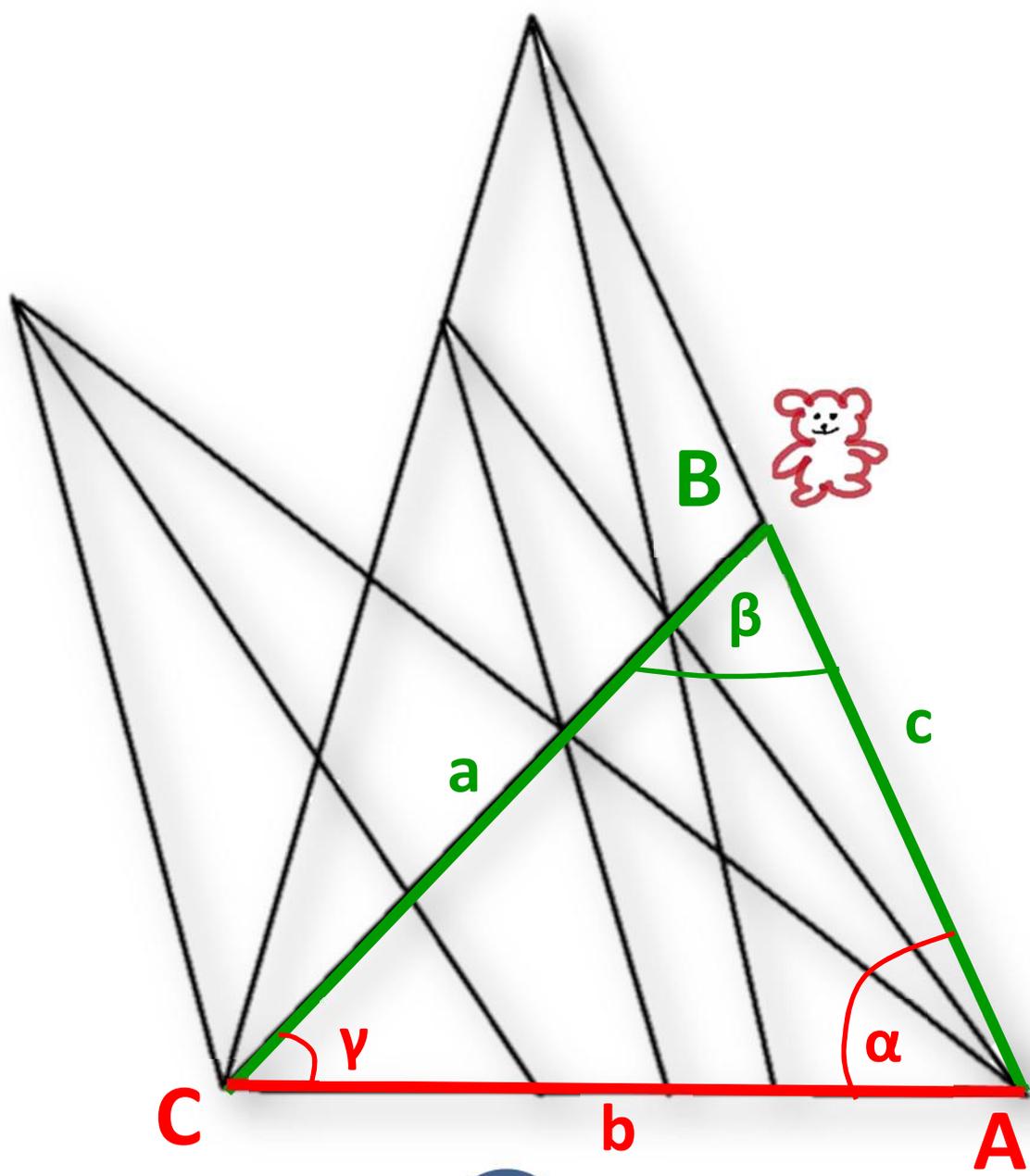
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,4 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>47°</b>



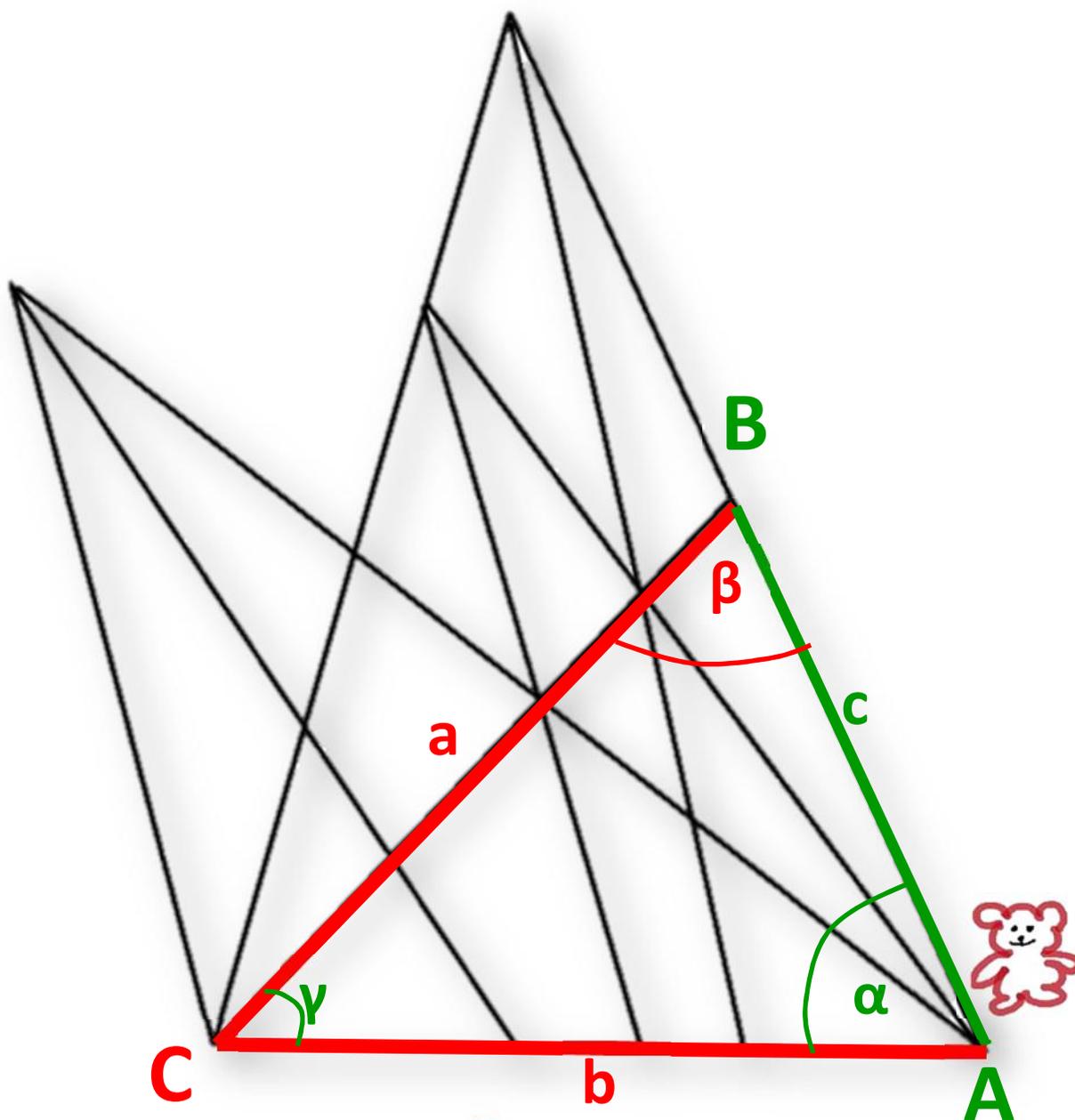
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	66°
b =	11,5 cm	$\beta =$	
c =		$\gamma =$	47°



ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,4 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	<b>67°</b>
<b>c =</b>		<b>γ =</b>	



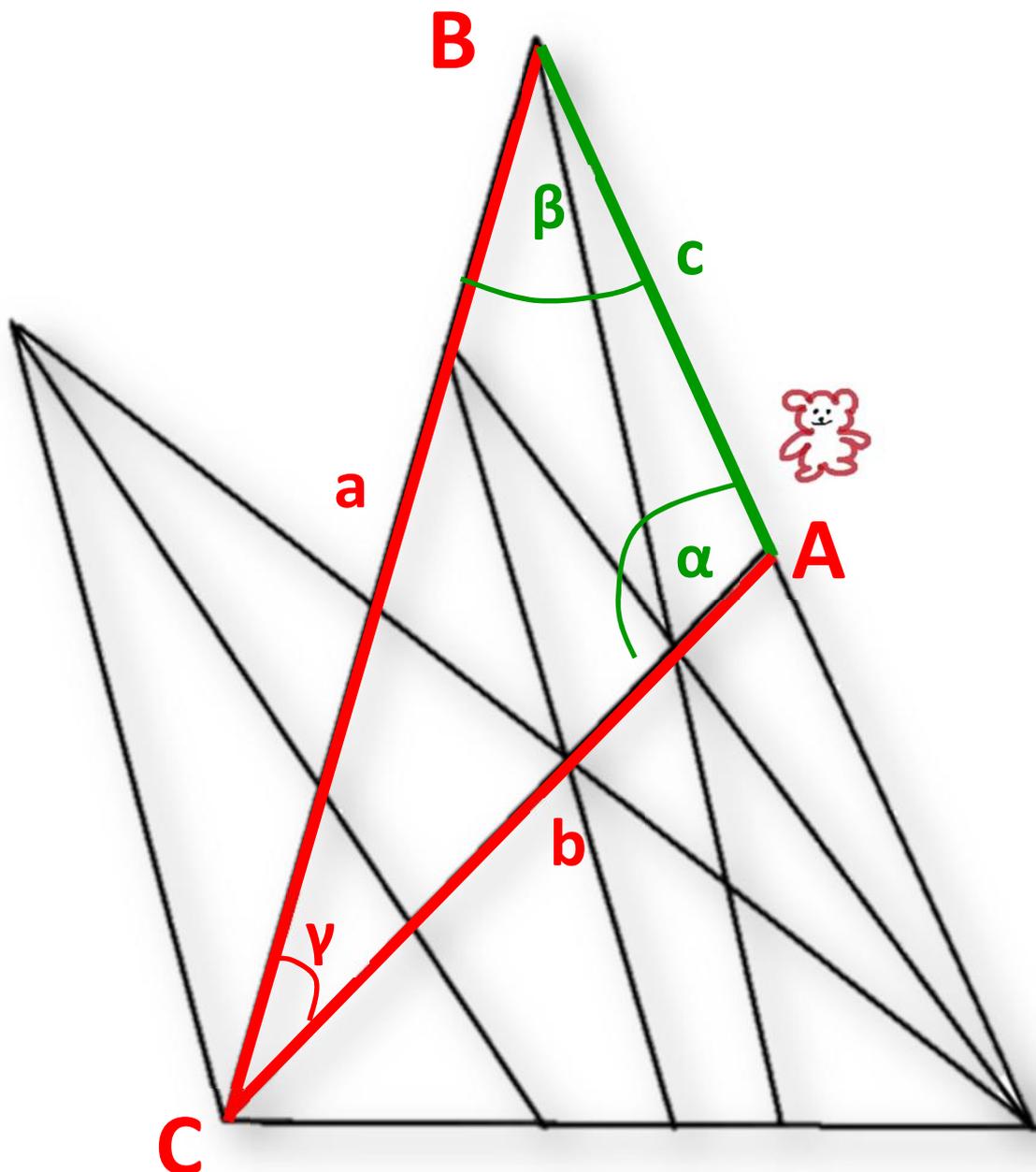
ANGABE:



befindet sich  
am Punkt

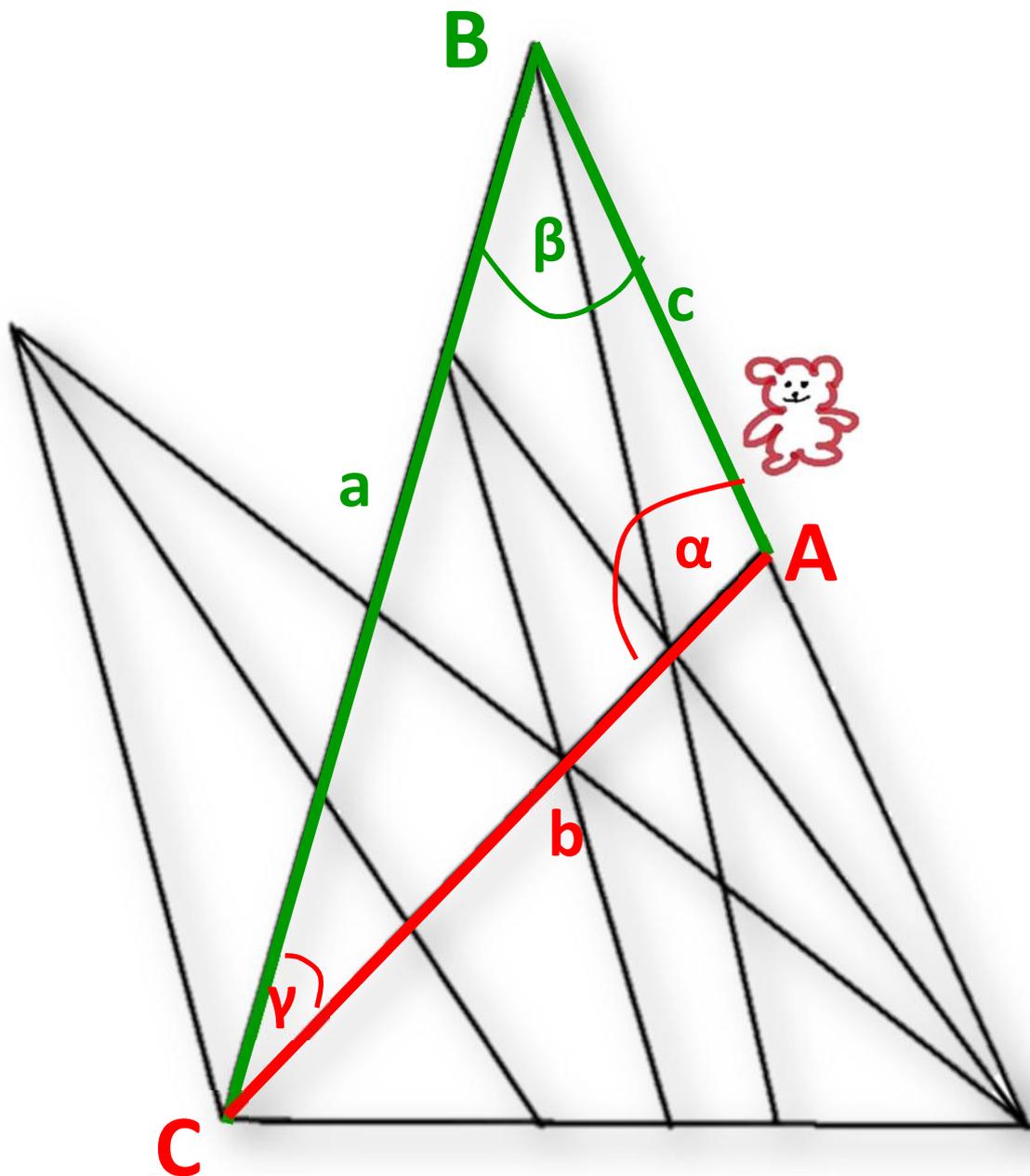
**A**

<b>a =</b>	<b>16,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,4 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>26°</b>



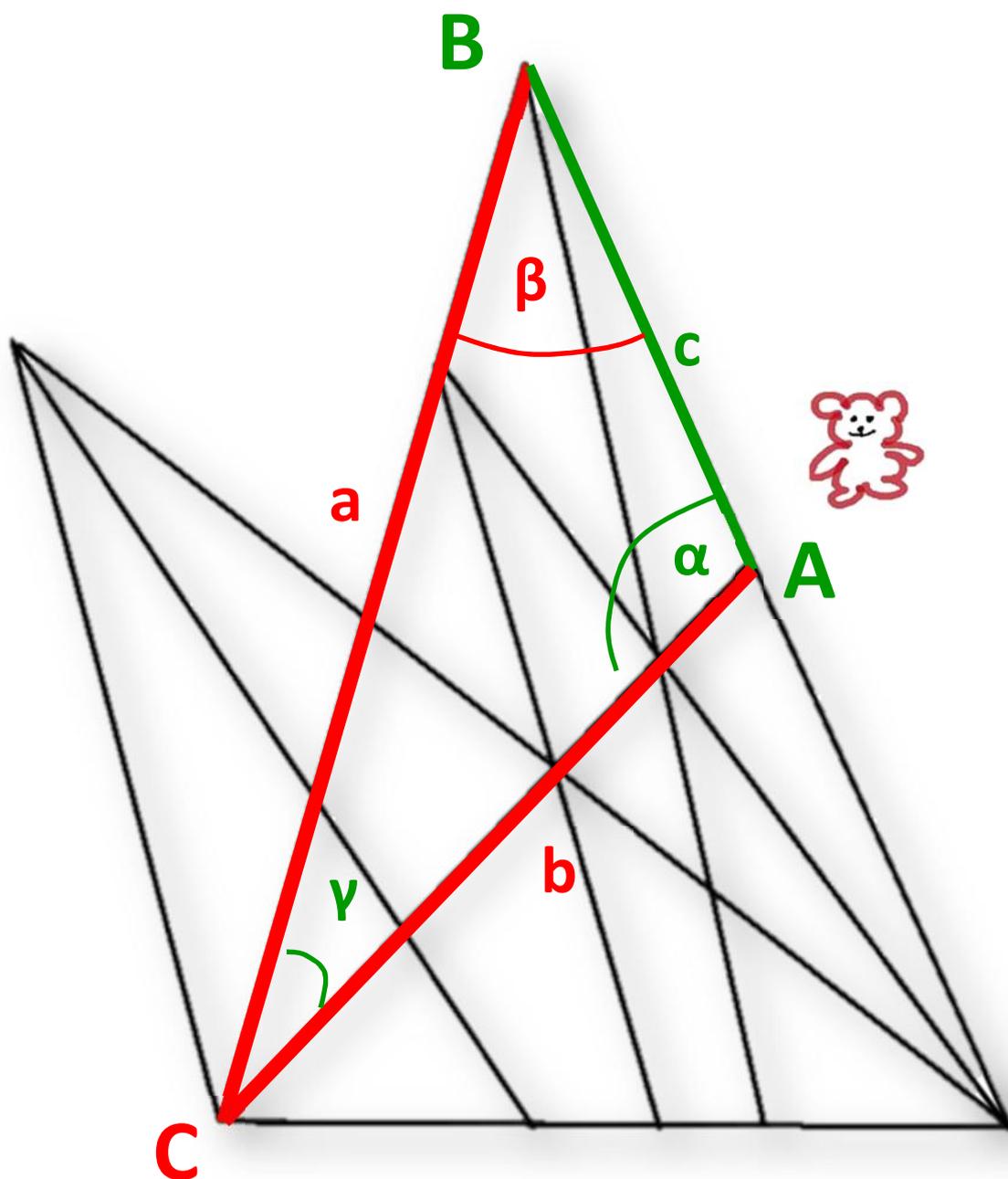
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	113°
b =	11,4 cm	$\beta =$	
c =		$\gamma =$	26°



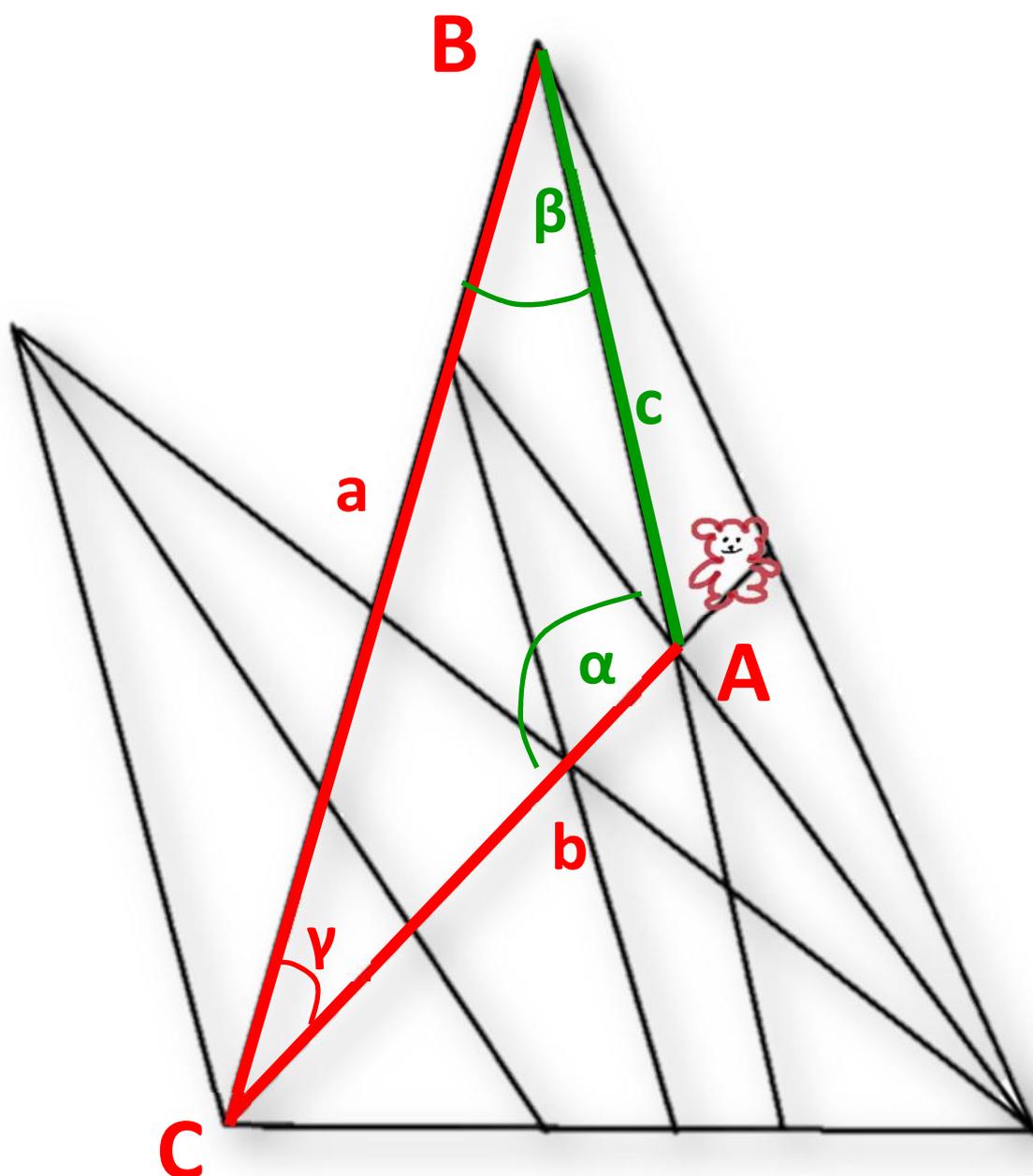
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>16,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,4 cm</b>	<b>β =</b>	<b>40°</b>
<b>c =</b>		<b>γ =</b>	



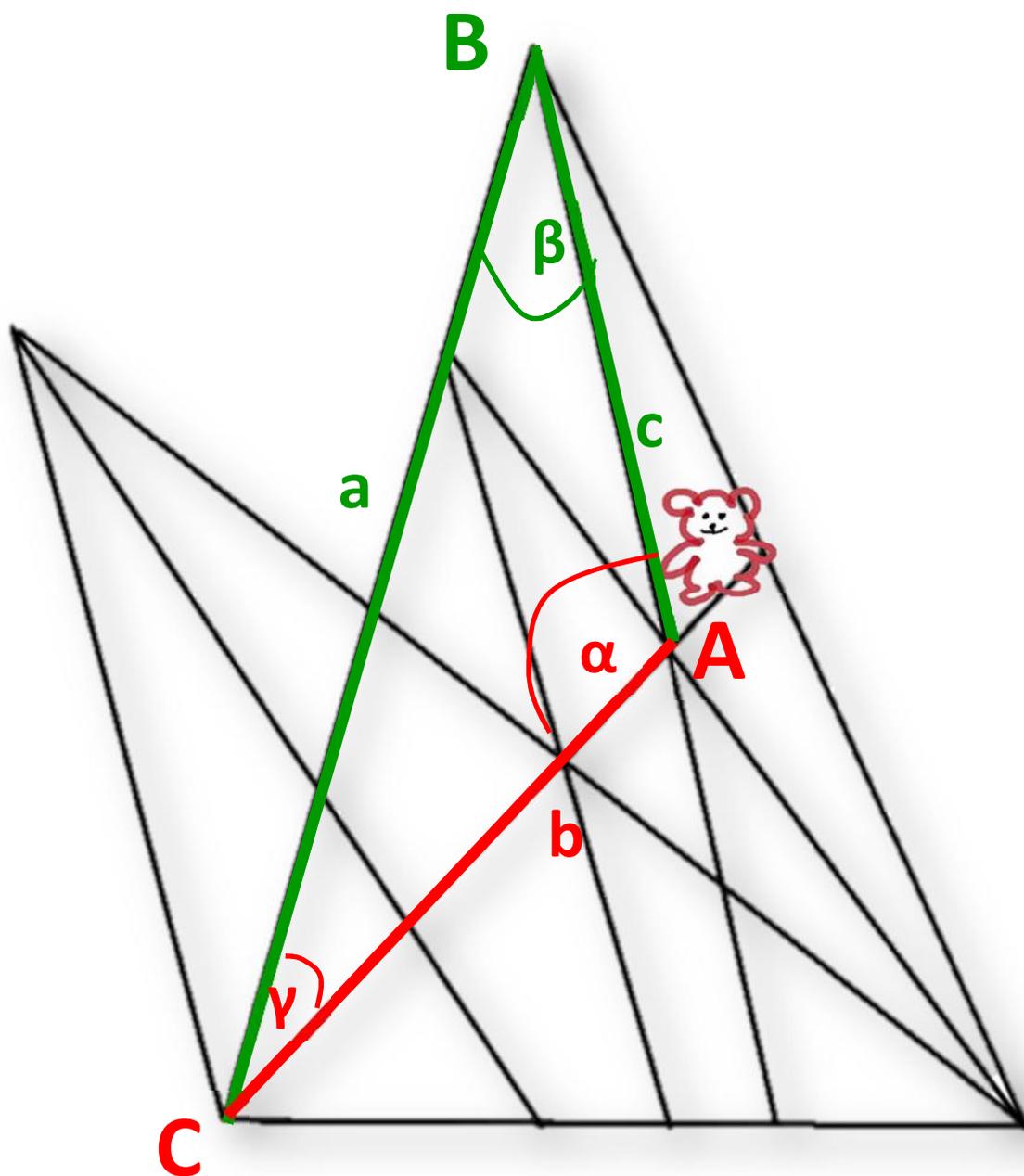
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>16,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>9,4 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>26°</b>



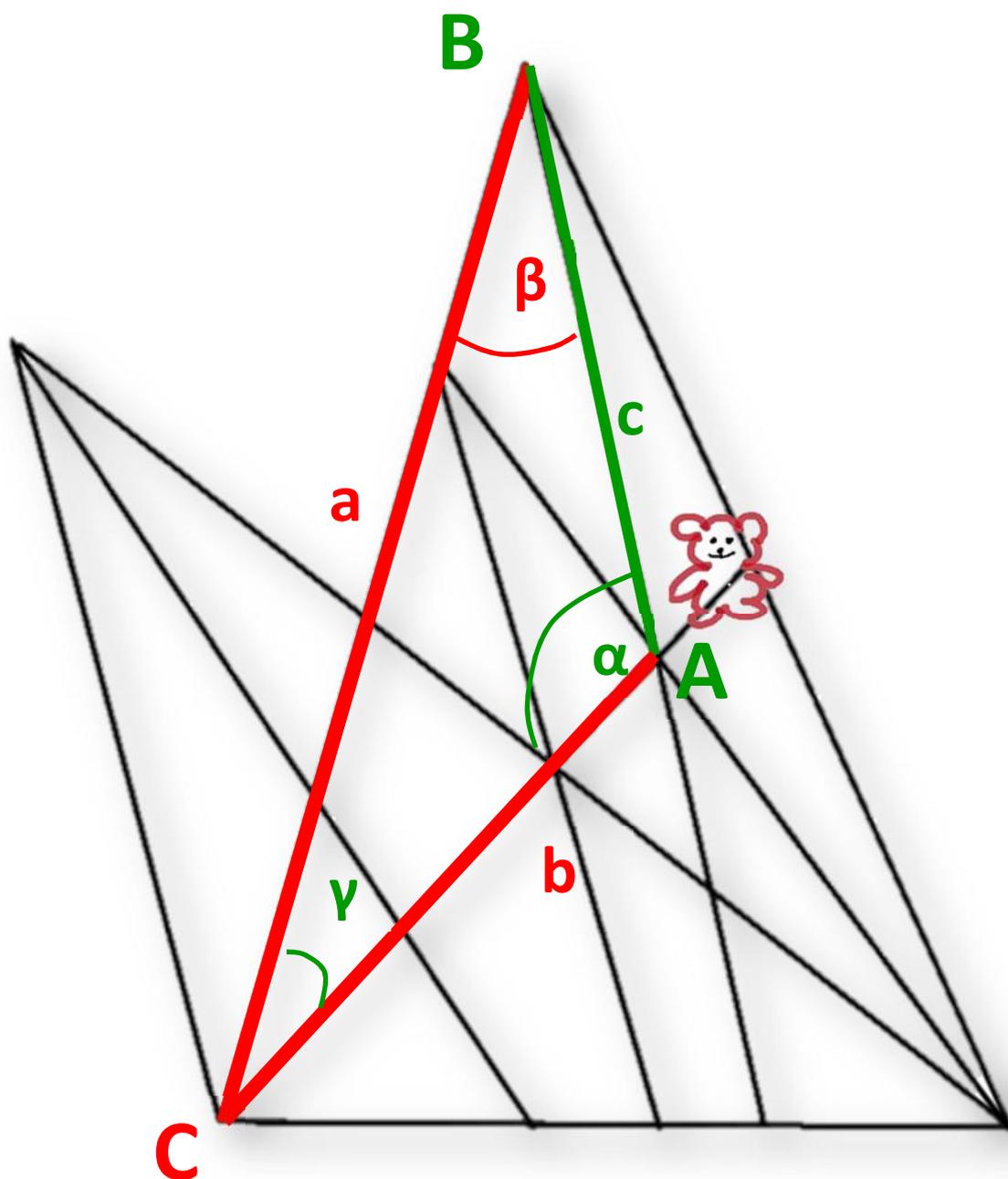
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	125°
b =	9,4 cm	$\beta =$	
c =		$\gamma =$	26°



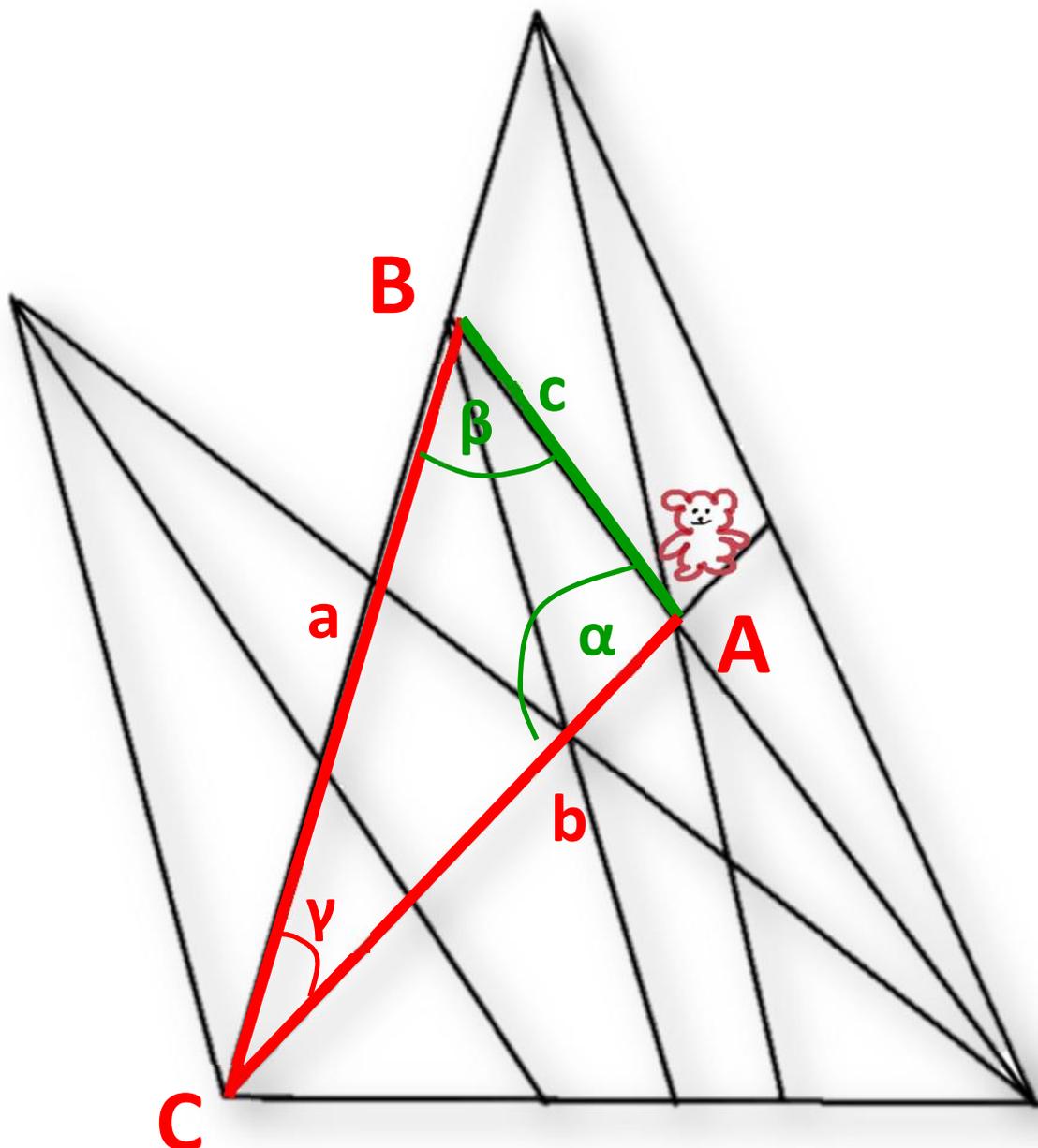
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>16,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>9,4 cm</b>	<b>β =</b>	<b>29°</b>
<b>c =</b>		<b>γ =</b>	



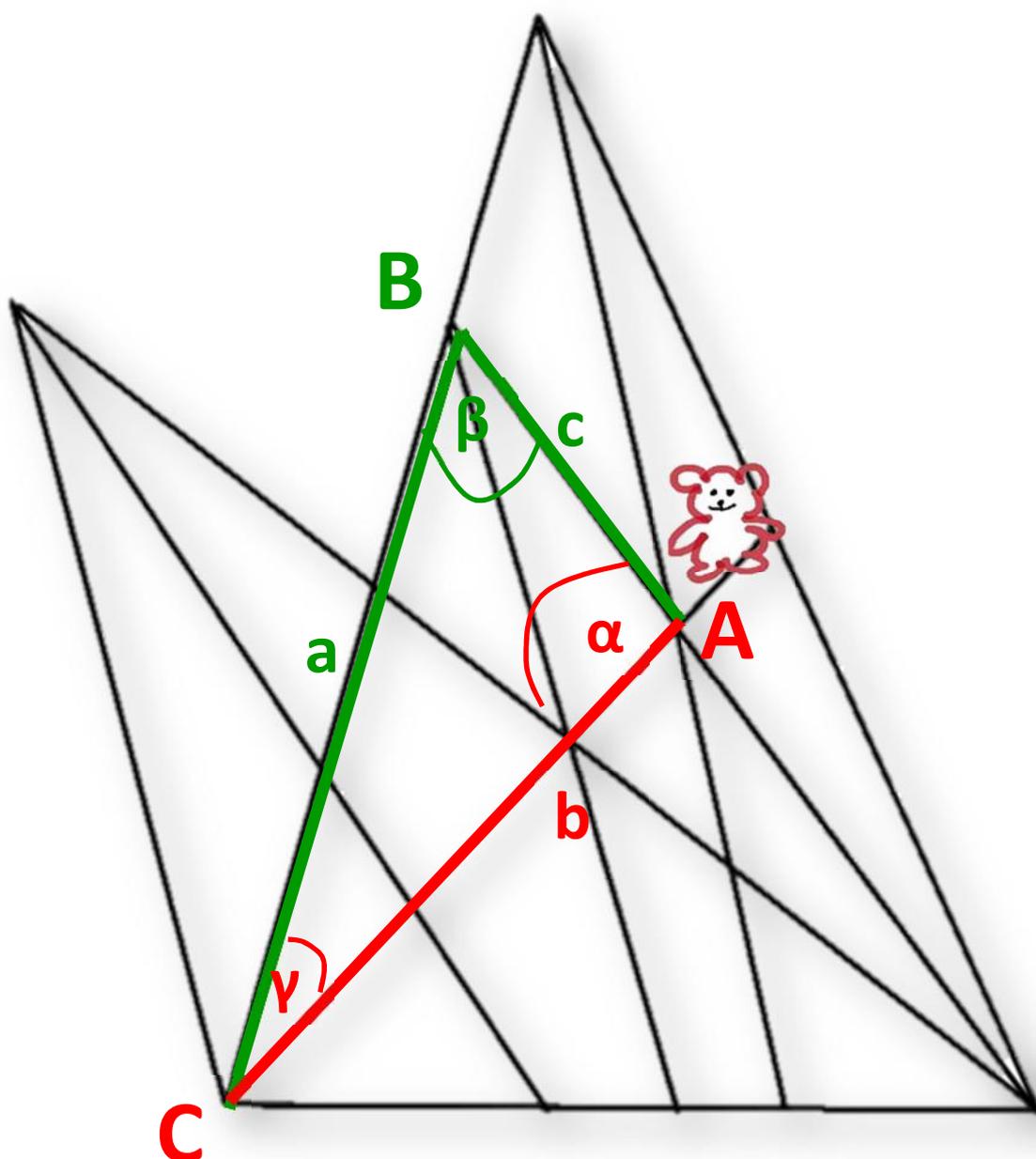
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,5 cm</b>	<b>α =</b>	
<b>b =</b>	<b>9,4 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>26°</b>



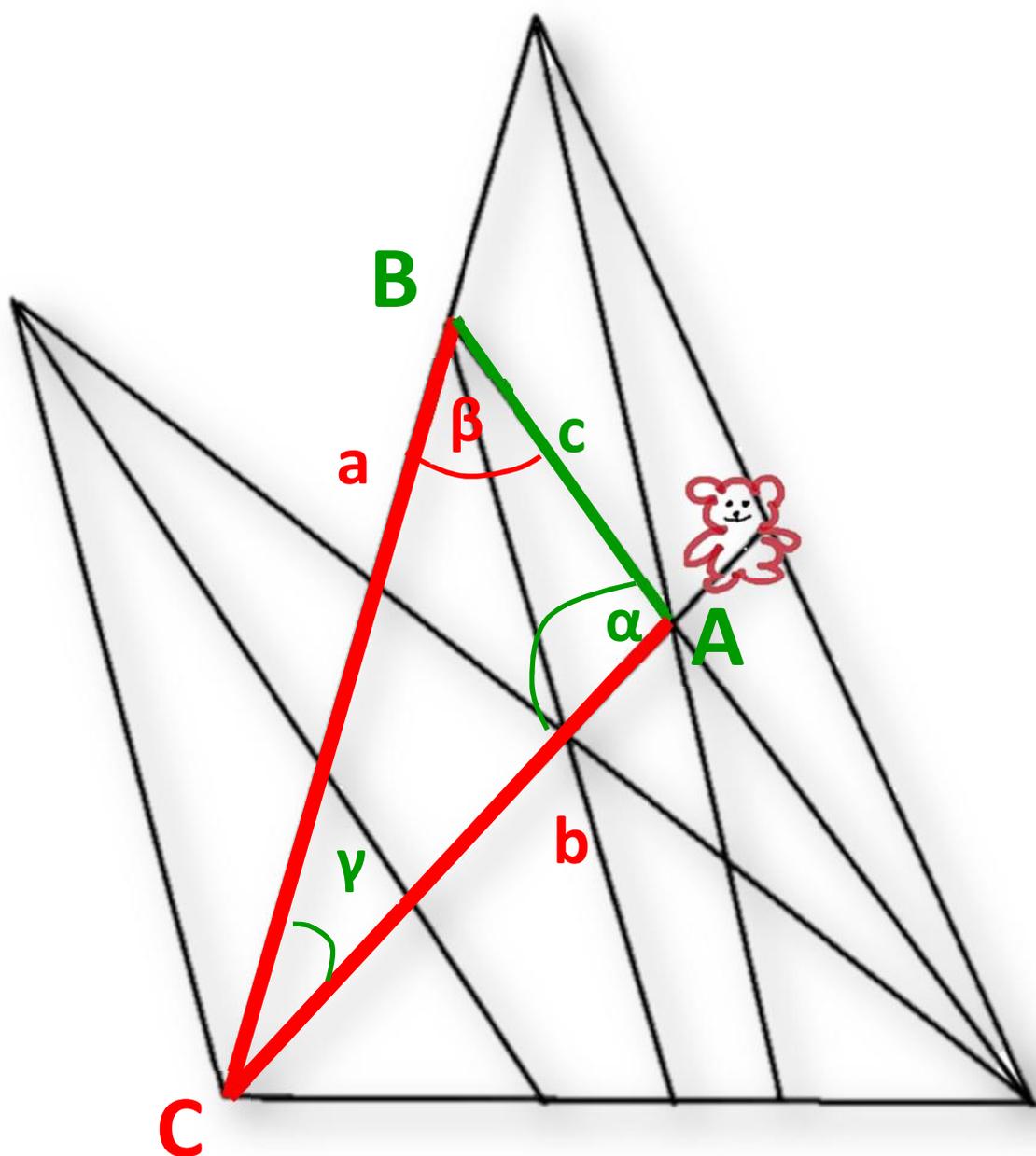
ANGABE:  befindet sich am Punkt **B**

<b>a =</b>		<b><math>\alpha =</math></b>	<b><math>100^\circ</math></b>
<b>b =</b>	<b>9,4 cm</b>	<b><math>\beta =</math></b>	
<b>c =</b>		<b><math>\gamma =</math></b>	<b><math>26^\circ</math></b>



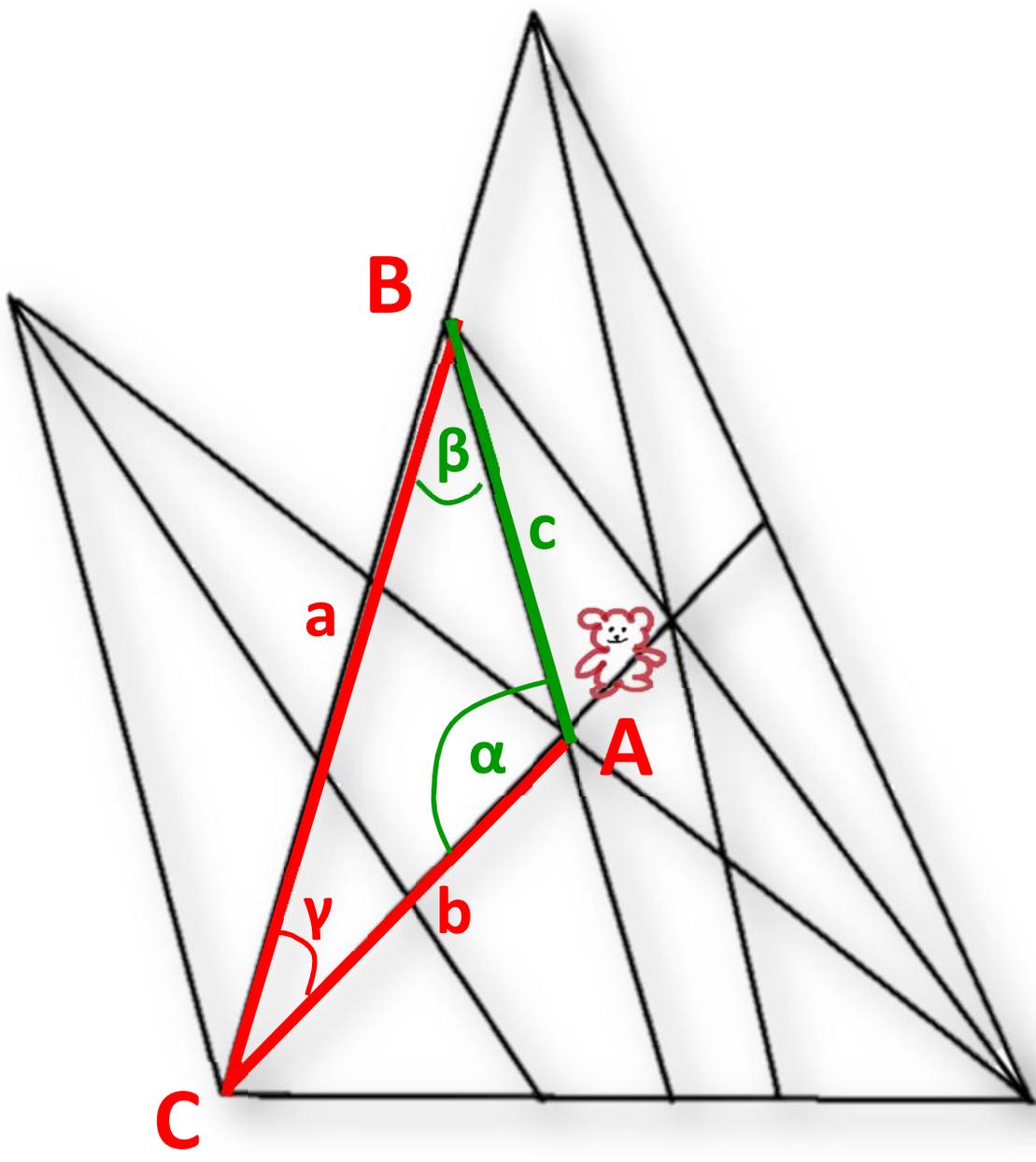
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,5 cm</b>	<b>α =</b>	
<b>b =</b>	<b>9,2 cm</b>	<b>β =</b>	<b>52°</b>
<b>c =</b>		<b>γ =</b>	



ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,5 cm</b>	<b>α =</b>	
<b>b =</b>	<b>7,2 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>26°</b>



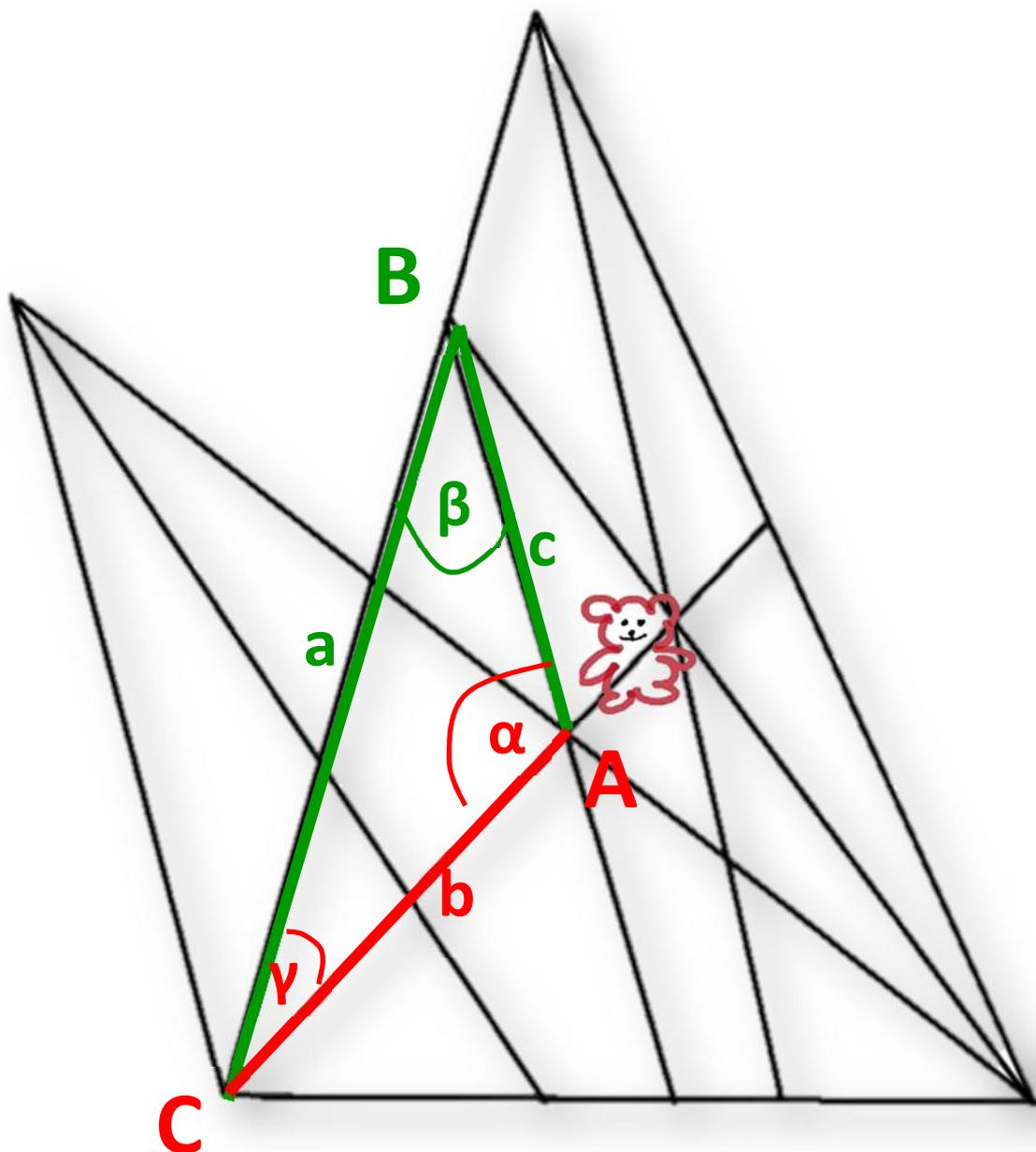
ANGABE:



befindet sich  
am Punkt

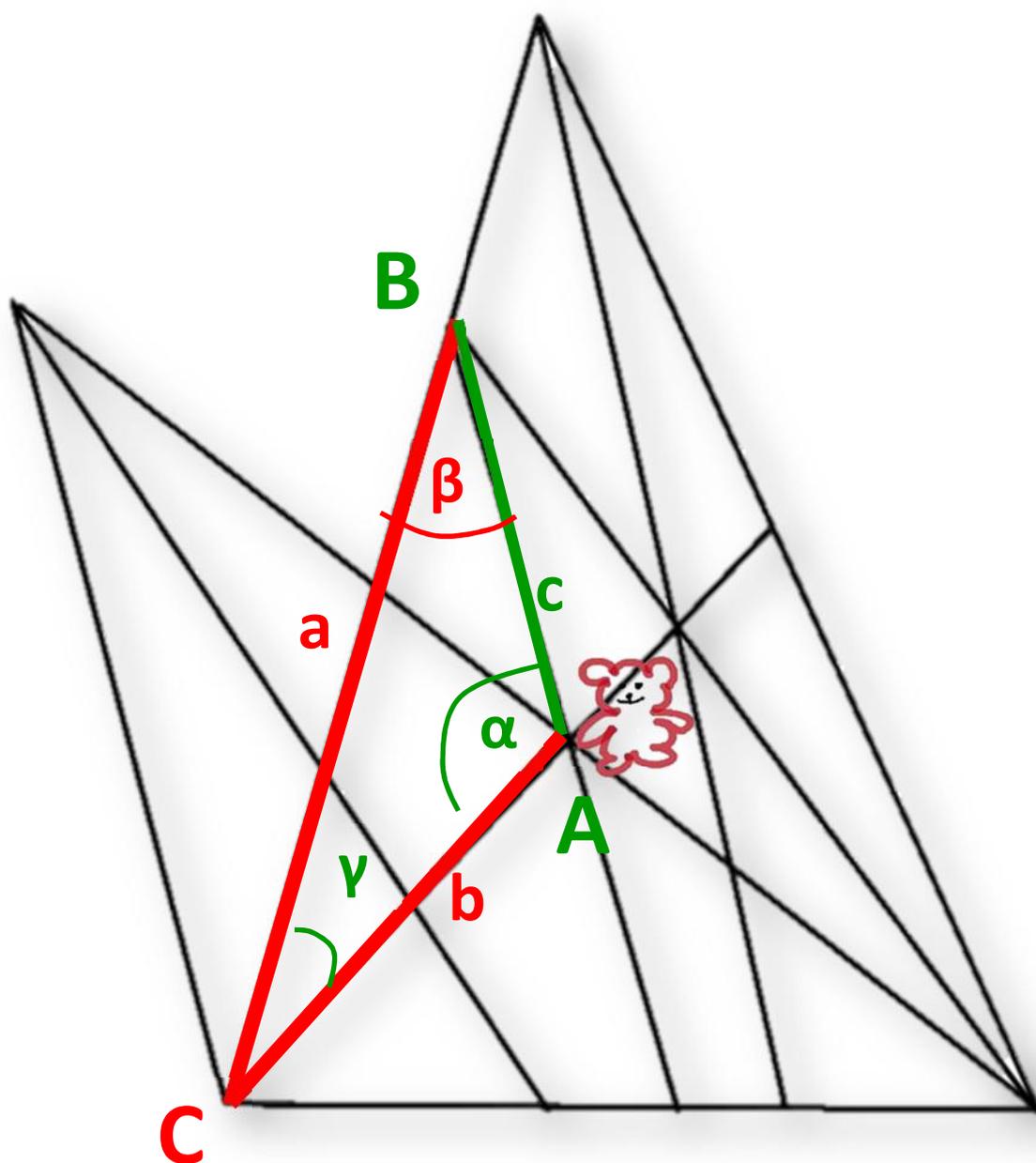
**B**

a =		$\alpha =$	$122^\circ$
b =	7,2 cm	$\beta =$	
c =		$\gamma =$	$26^\circ$



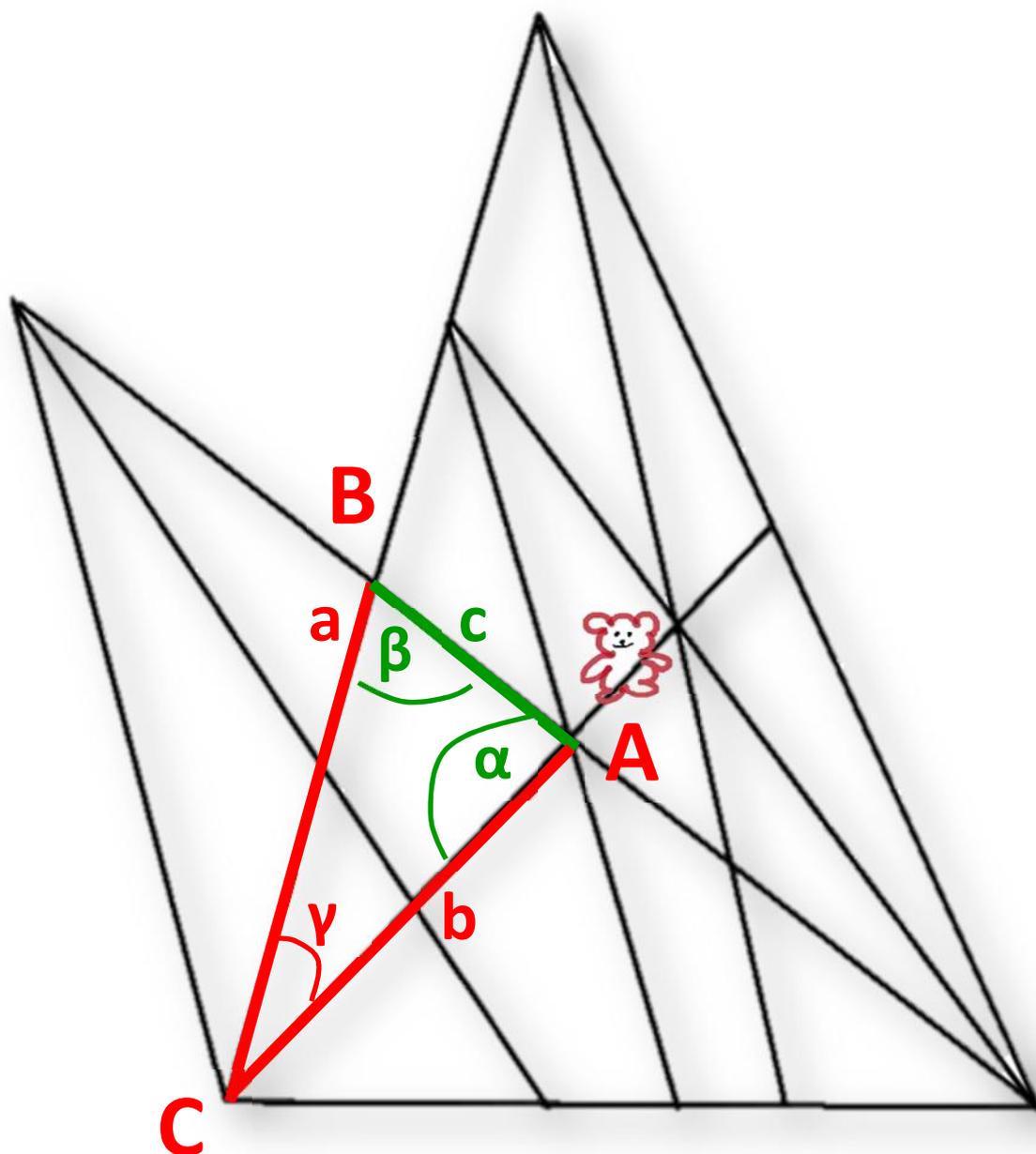
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,5 cm</b>	<b>α =</b>	
<b>b =</b>	<b>7,2 cm</b>	<b>β =</b>	<b>31°</b>
<b>c =</b>		<b>γ =</b>	



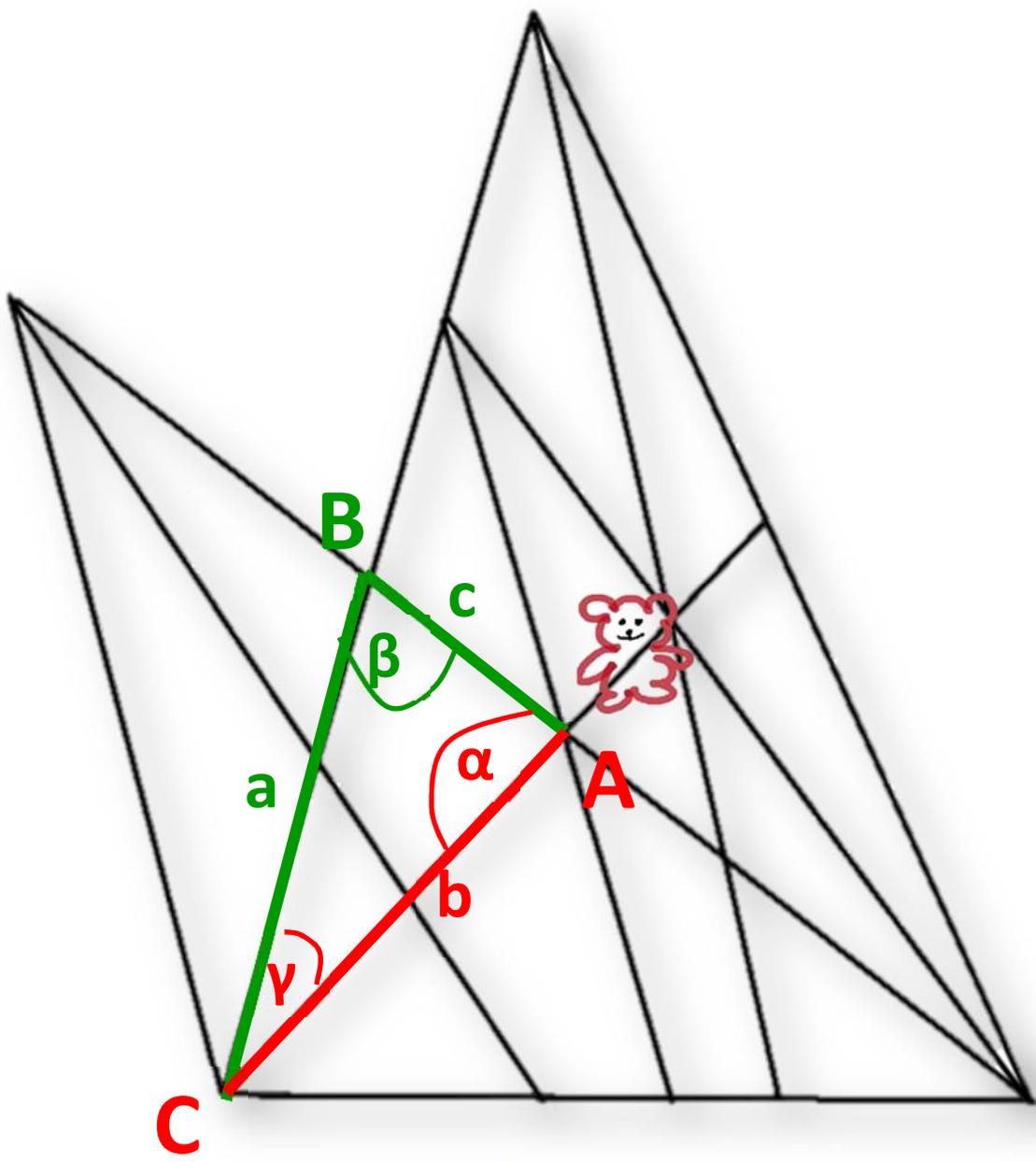
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>7,6 cm</b>	<b>α =</b>	
<b>b =</b>	<b>7,2 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>26°</b>



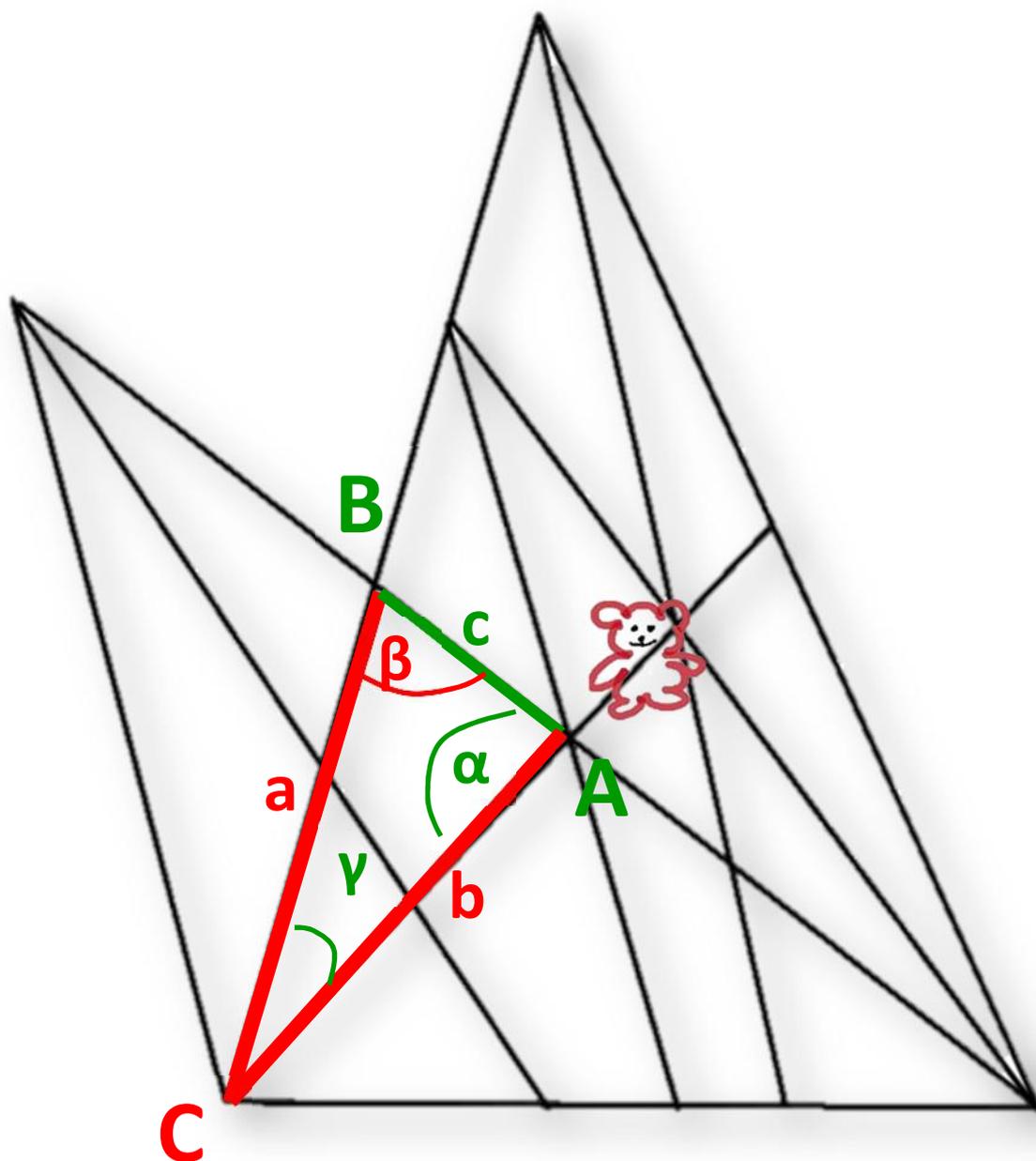
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	$86^\circ$
b =	7,2 cm	$\beta =$	
c =		$\gamma =$	$26^\circ$



ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>7,6 cm</b>	<b>α =</b>	
<b>b =</b>	<b>7,2 cm</b>	<b>β =</b>	<b>68°</b>
<b>c =</b>		<b>γ =</b>	



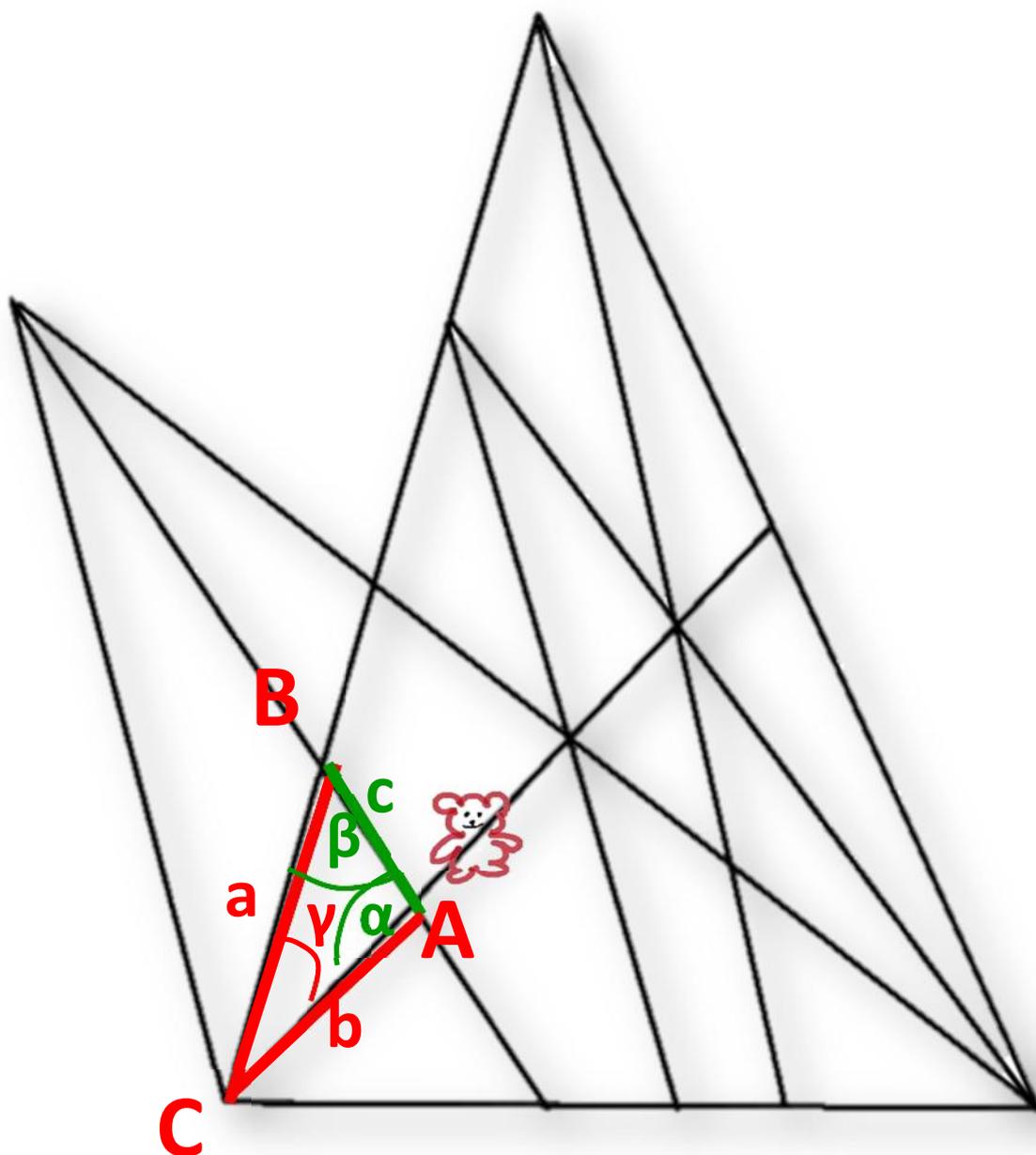
ANGABE:



befindet sich  
am Punkt

**A**

<b>a =</b>	<b>5,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>3,9 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>26°</b>



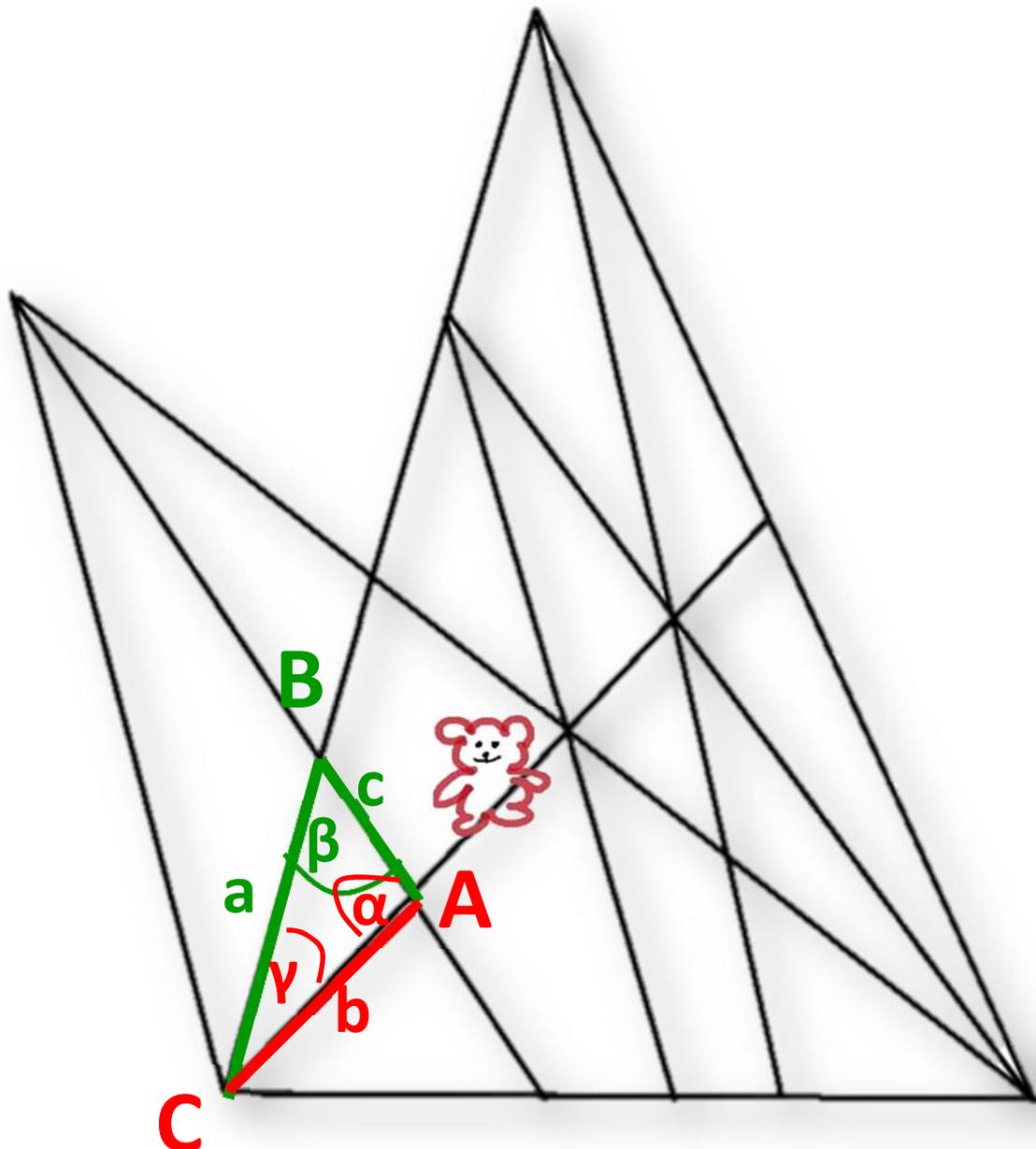
ANGABE:



befindet sich  
am Punkt

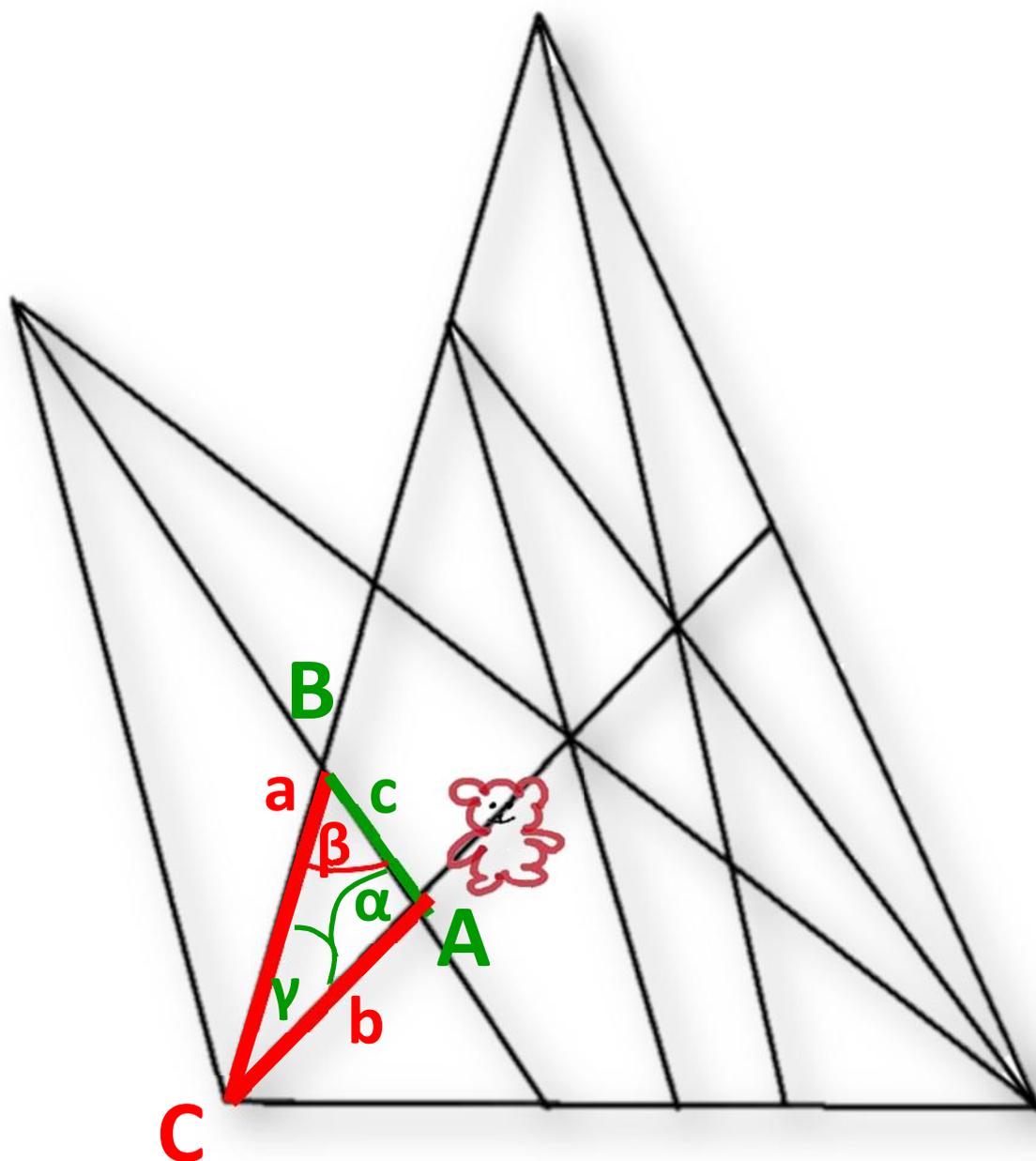
**B**

a =		$\alpha =$	$104^\circ$
b =	3,9 cm	$\beta =$	
c =		$\gamma =$	$26^\circ$



ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>5,0 cm</b>	<b>α =</b>	
<b>b =</b>	<b>3,9 cm</b>	<b>β =</b>	<b>50°</b>
<b>c =</b>		<b>γ =</b>	



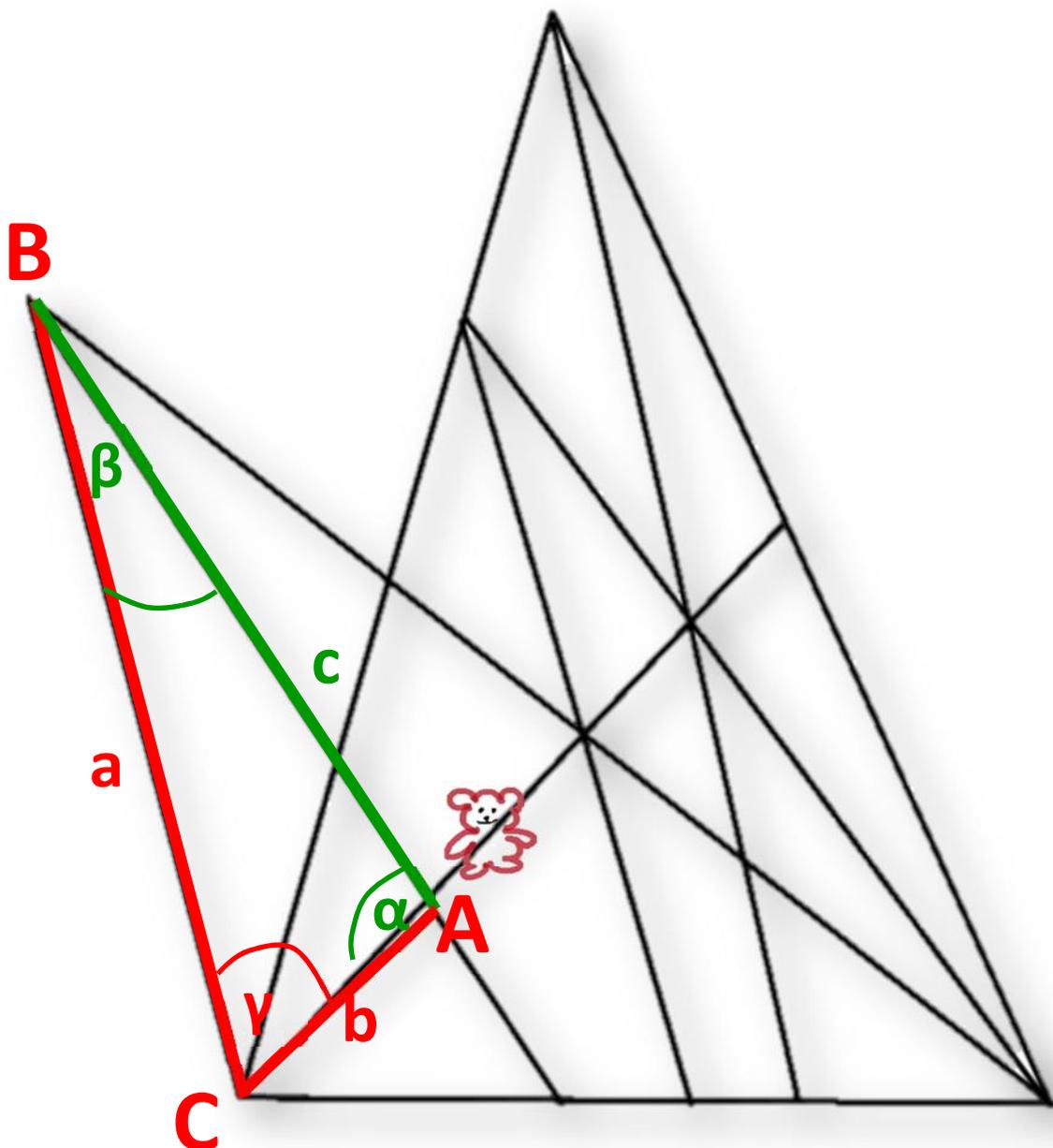
ANGABE:



befindet sich  
am Punkt

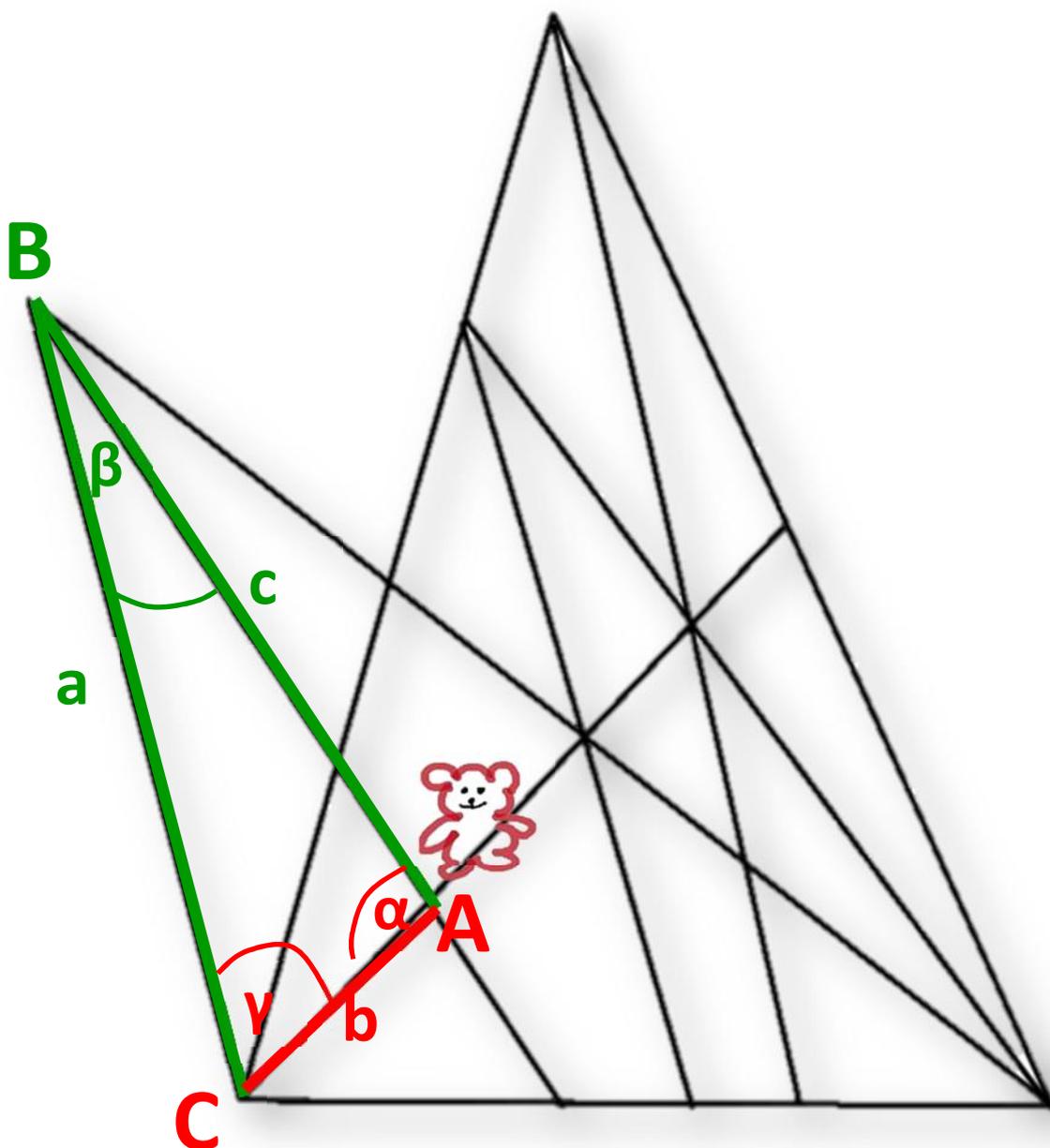
**A**

<b>a =</b>	<b>11,8 cm</b>	<b>α =</b>	
<b>b =</b>	<b>3,9 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>57°</b>



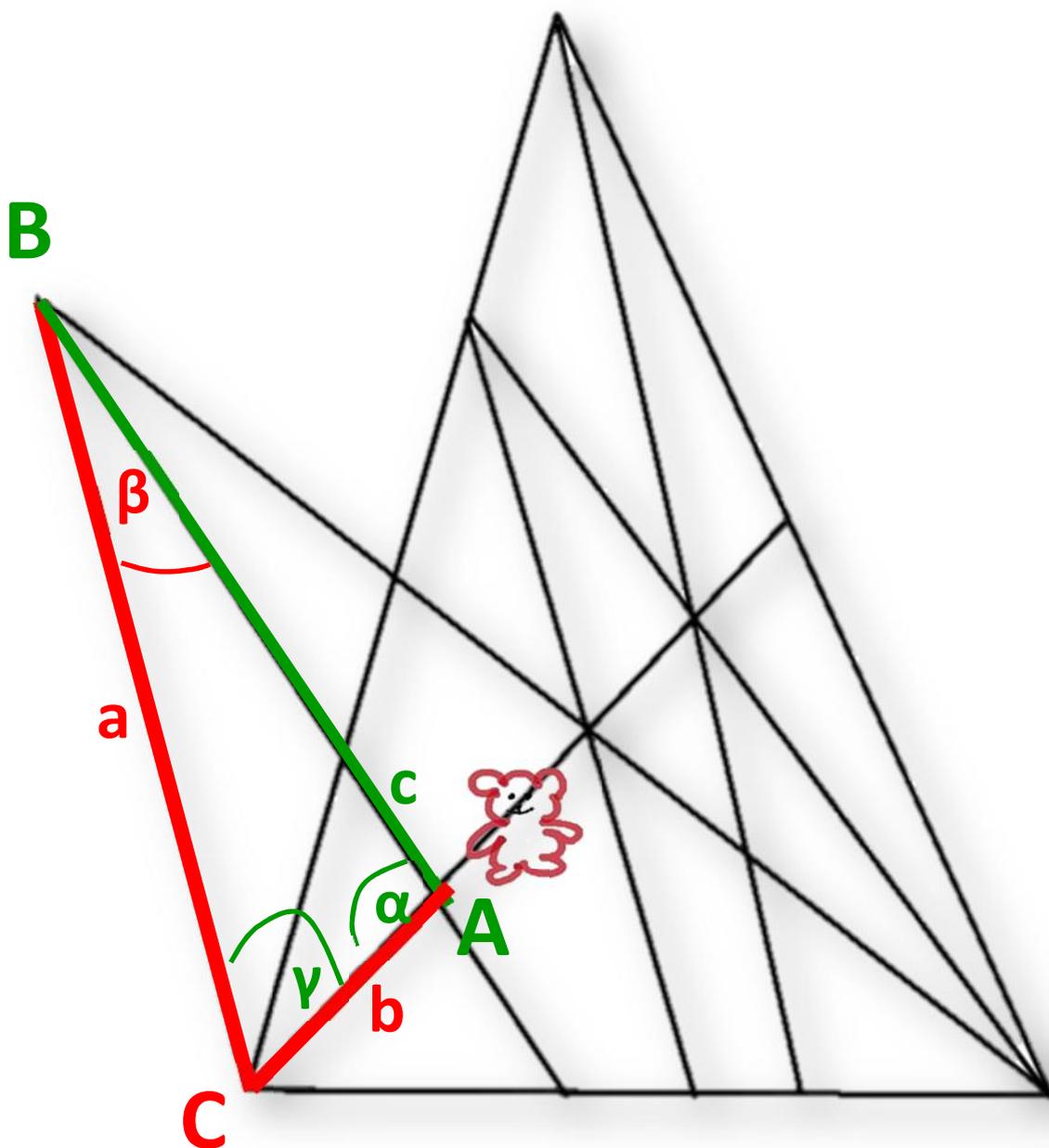
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	104°
b =	3,9 cm	$\beta =$	
c =		$\gamma =$	57°



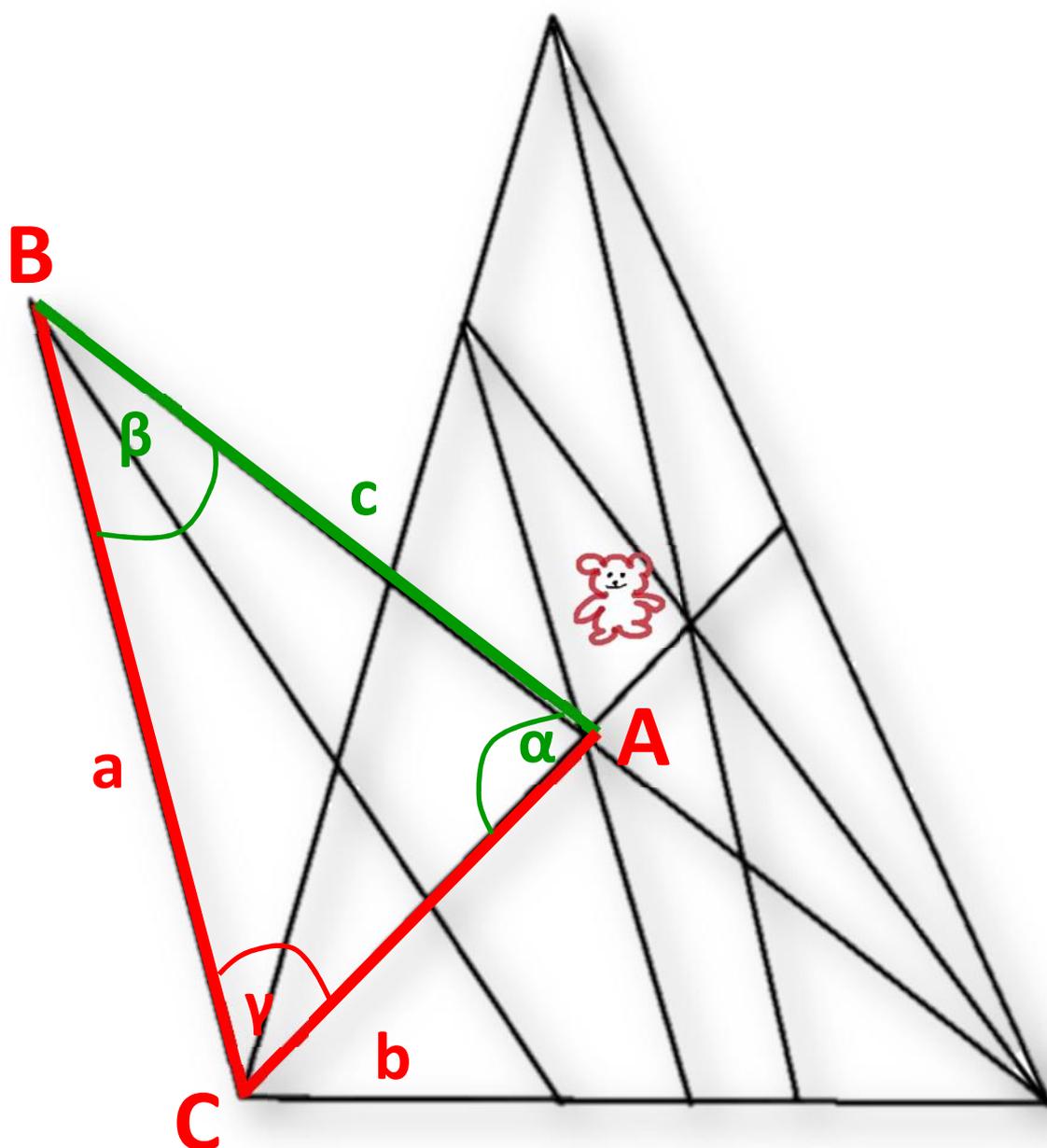
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,8 cm</b>	<b>α =</b>	
<b>b =</b>	<b>3,9 cm</b>	<b>β =</b>	<b>19°</b>
<b>c =</b>		<b>γ =</b>	



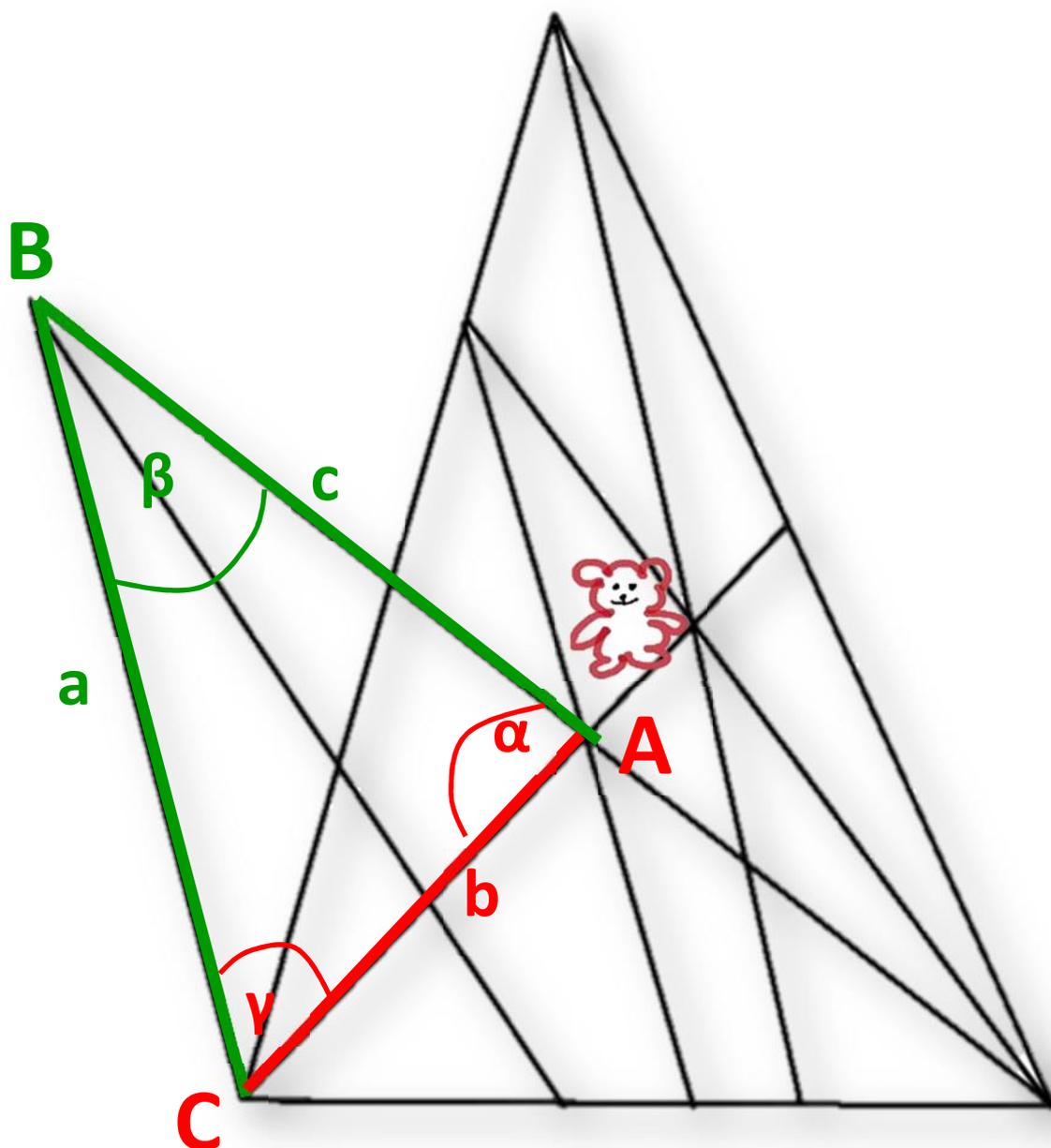
ANGABE:  befindet sich am Punkt **A**

$a =$	11,8 cm	$\alpha =$	
$b =$	7,2 cm	$\beta =$	
$c =$		$\gamma =$	57°



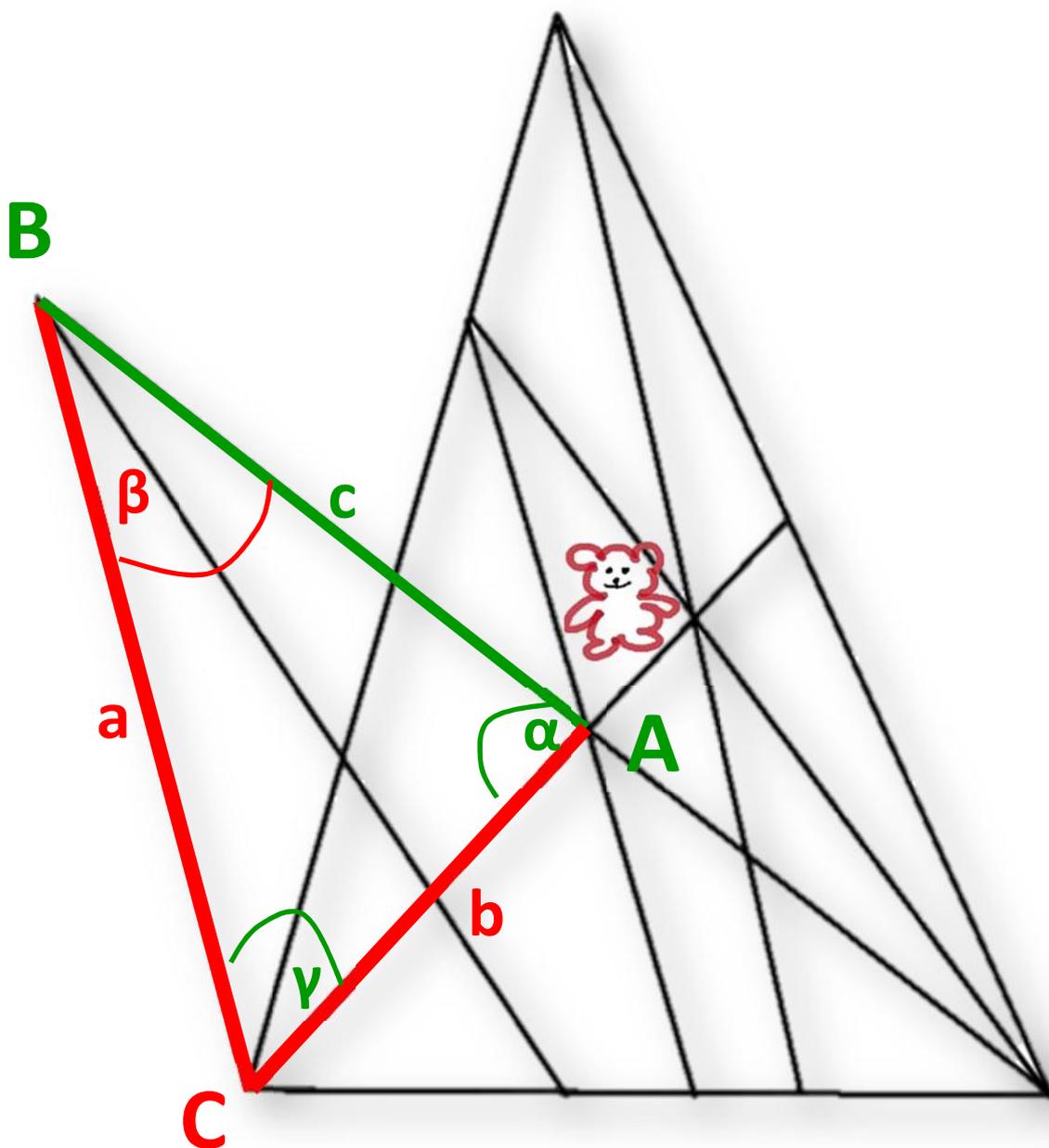
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	$86^\circ$
b =	7,2 cm	$\beta =$	
c =		$\gamma =$	$57^\circ$



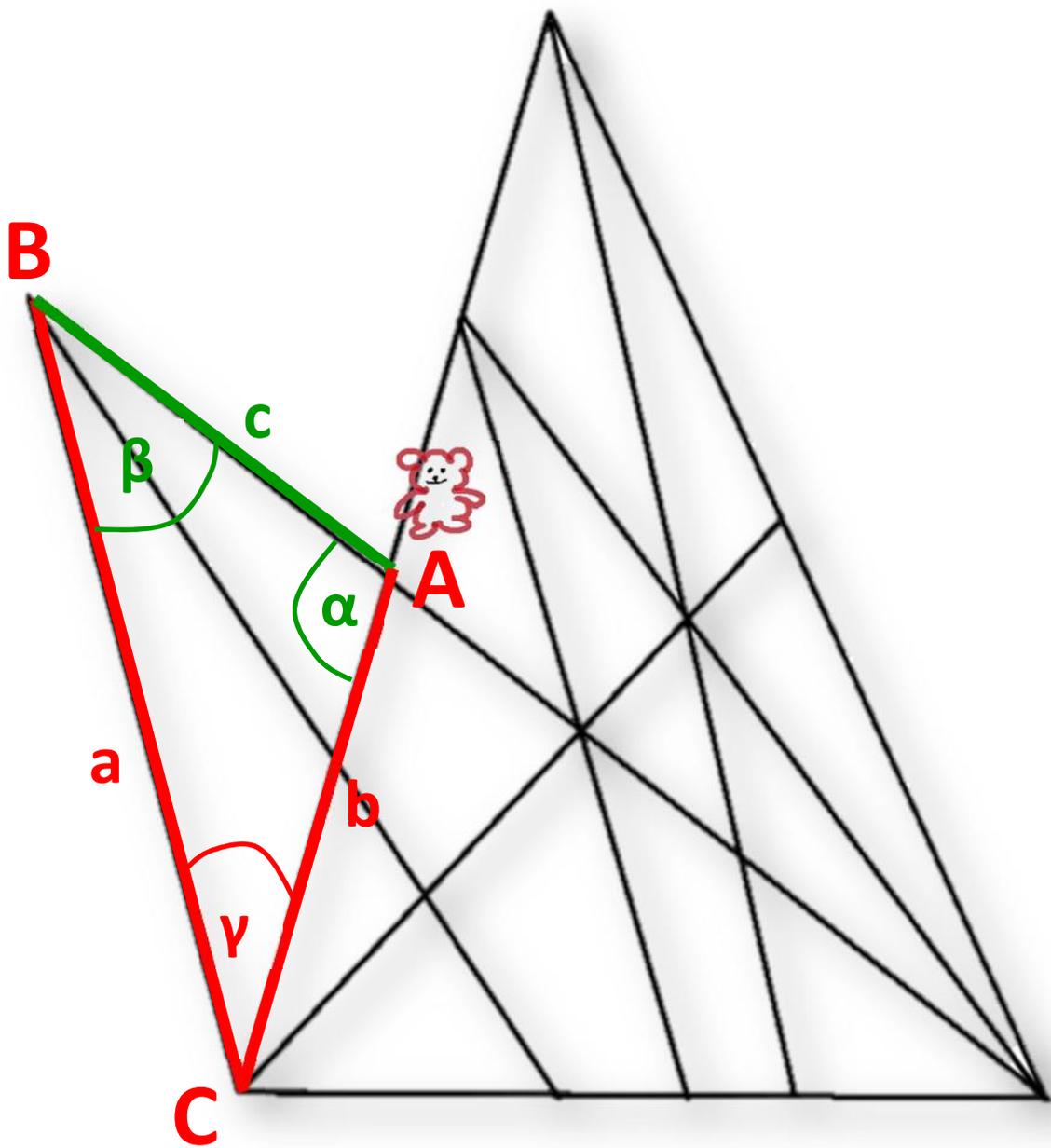
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,8 cm</b>	<b>α =</b>	
<b>b =</b>	<b>7,2 cm</b>	<b>β =</b>	<b>37°</b>
<b>c =</b>		<b>γ =</b>	



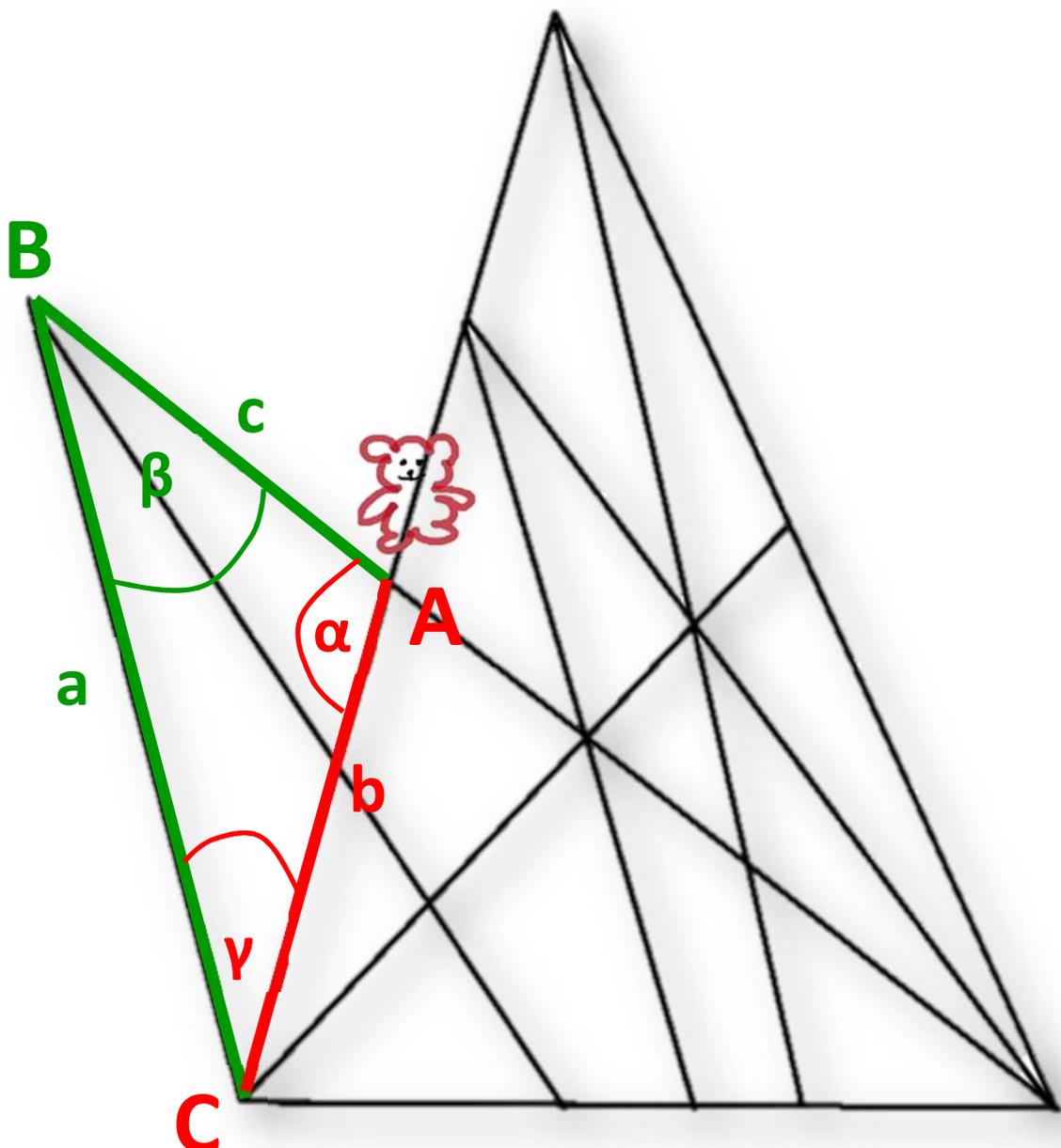
ANGABE:  befindet sich am Punkt **A**

$a =$	11,8 cm	$\alpha =$	
$b =$	7,7 cm	$\beta =$	
$c =$		$\gamma =$	30°



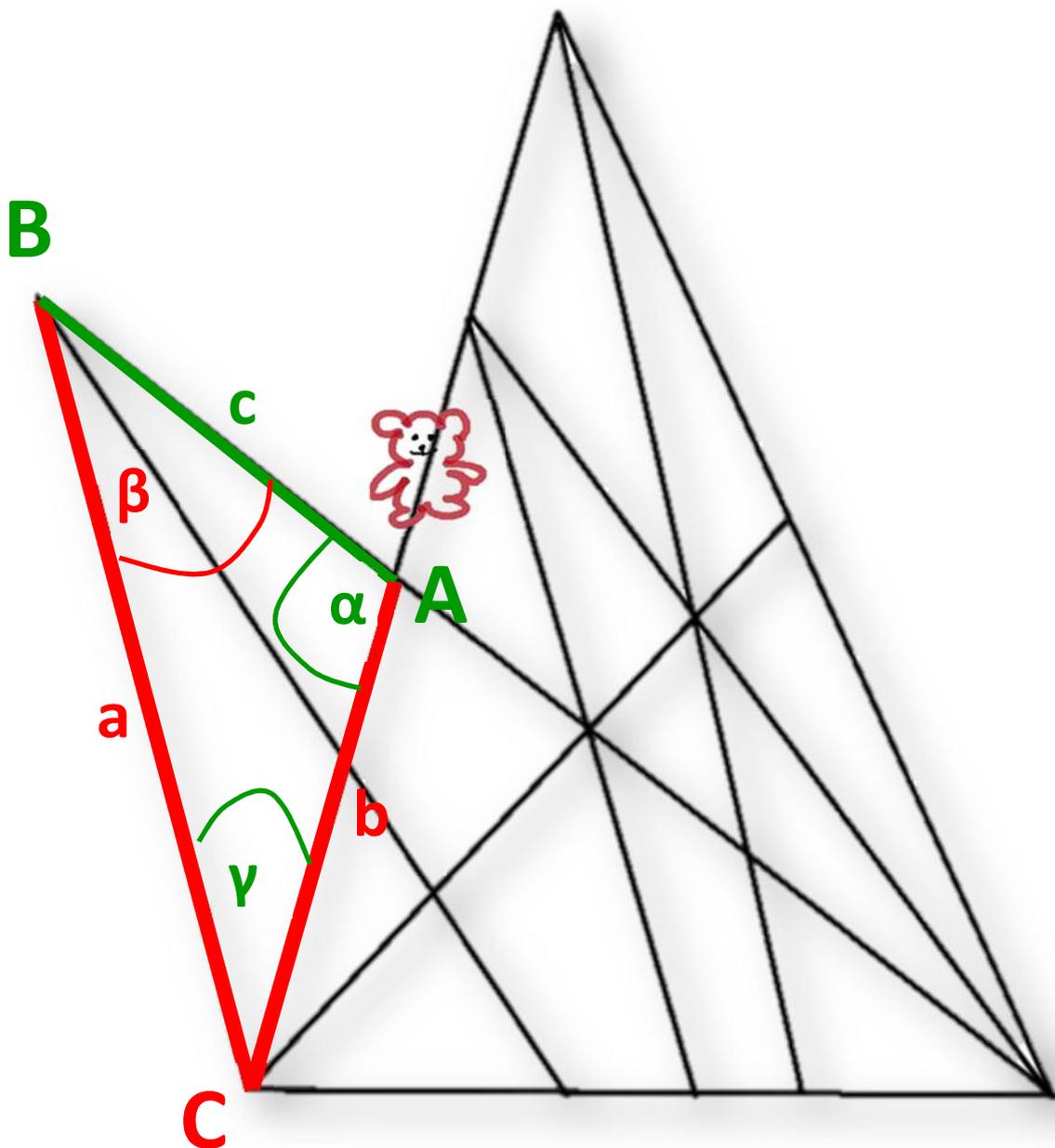
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	112°
b =	7,7 cm	$\beta =$	
c =		$\gamma =$	30°



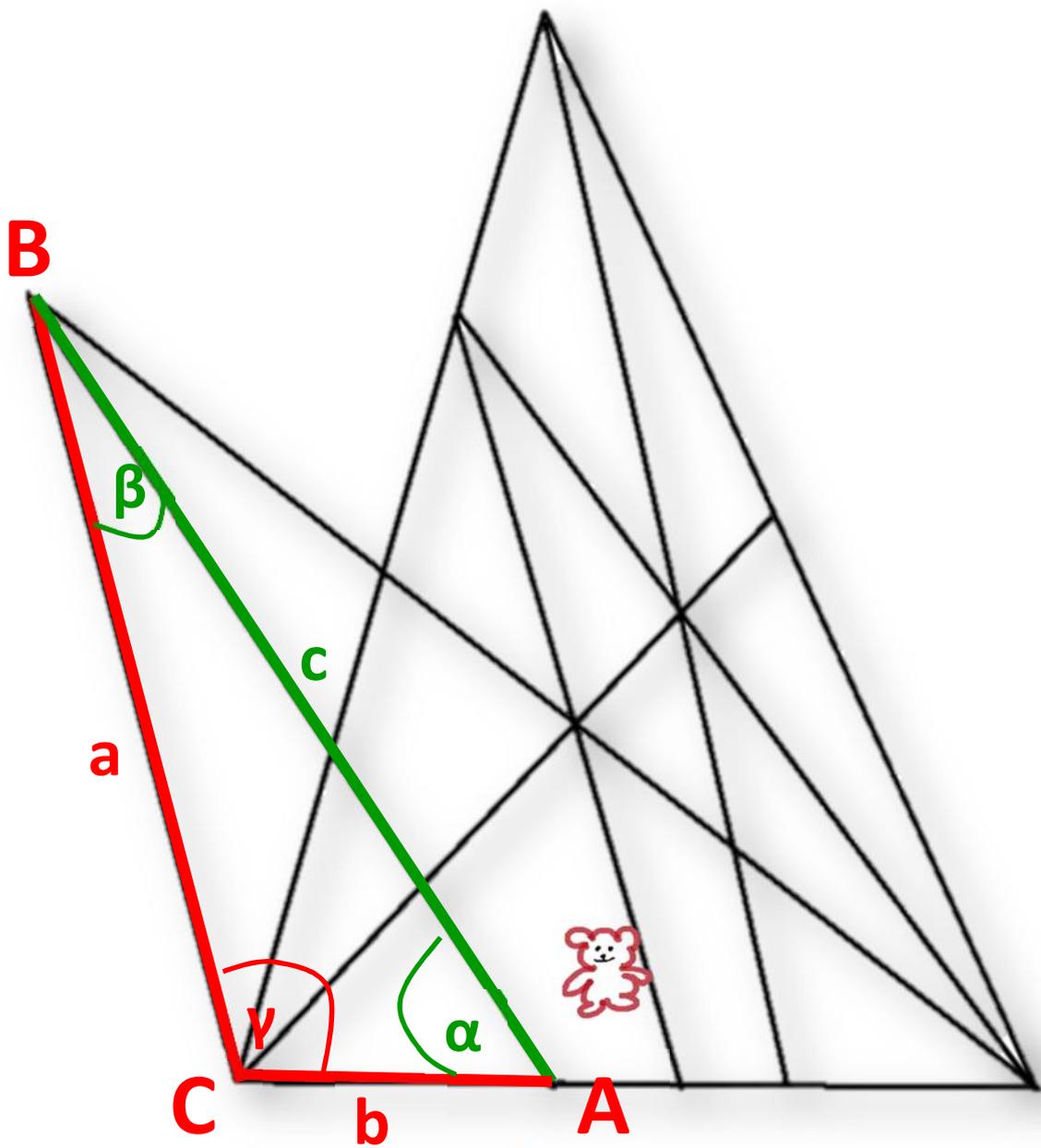
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,8 cm</b>	<b>α =</b>	
<b>b =</b>	<b>7,7 cm</b>	<b>β =</b>	<b>37°</b>
<b>c =</b>		<b>γ =</b>	



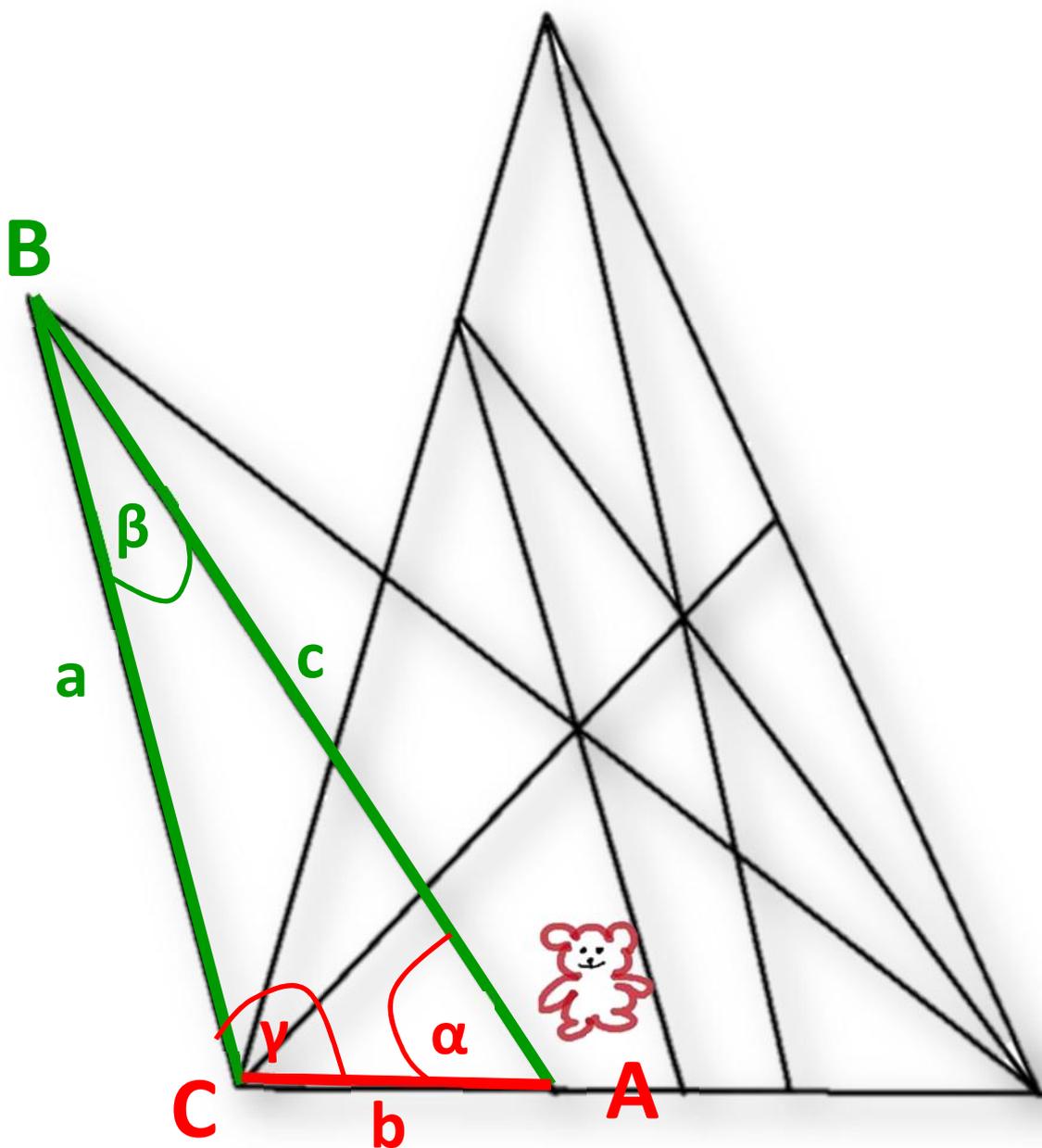
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,8 cm</b>	<b>α =</b>	
<b>b =</b>	<b>4,6 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>104°</b>



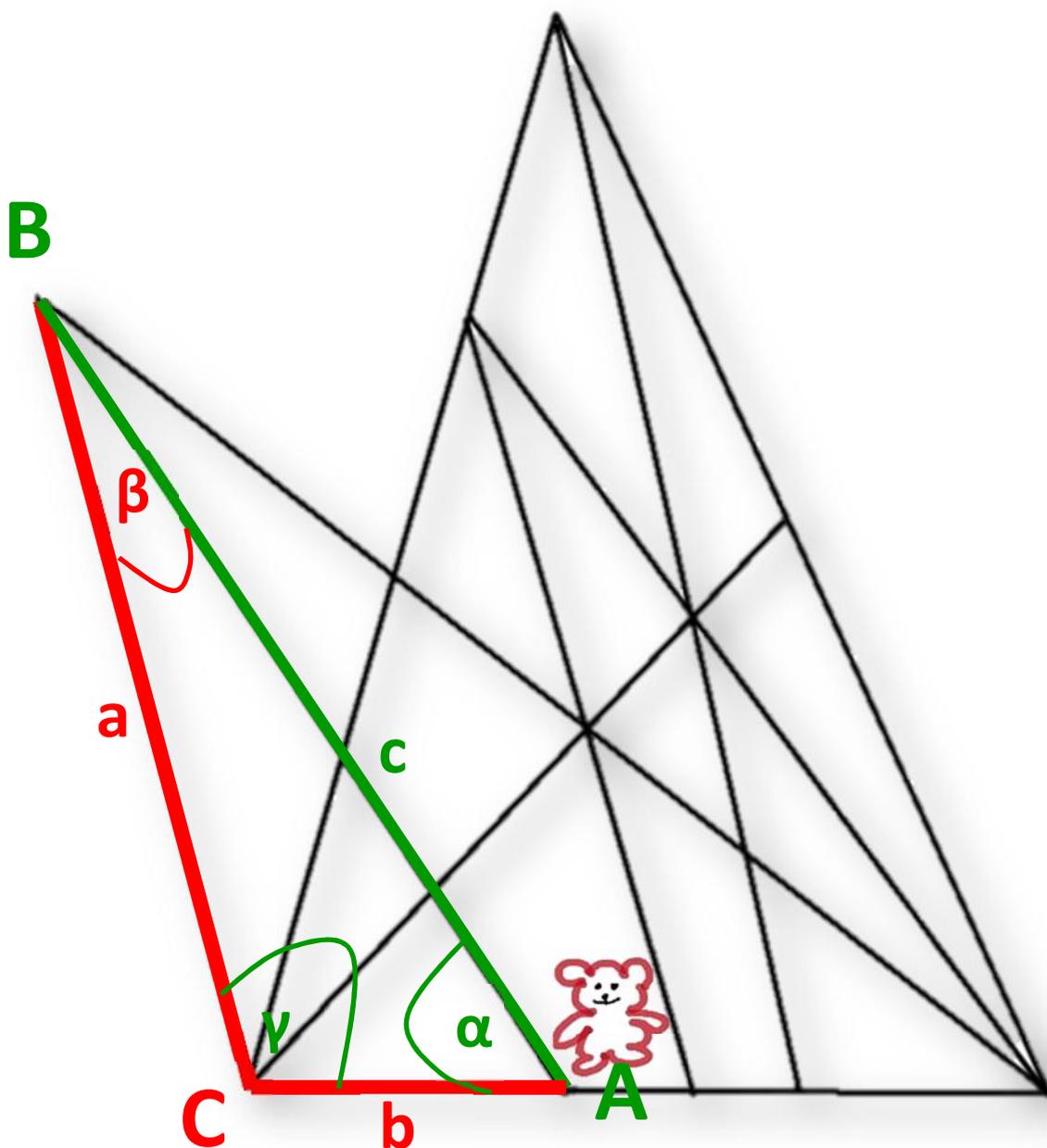
ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	$58^\circ$
b =	4,6 cm	$\beta =$	
c =		$\gamma =$	$104^\circ$



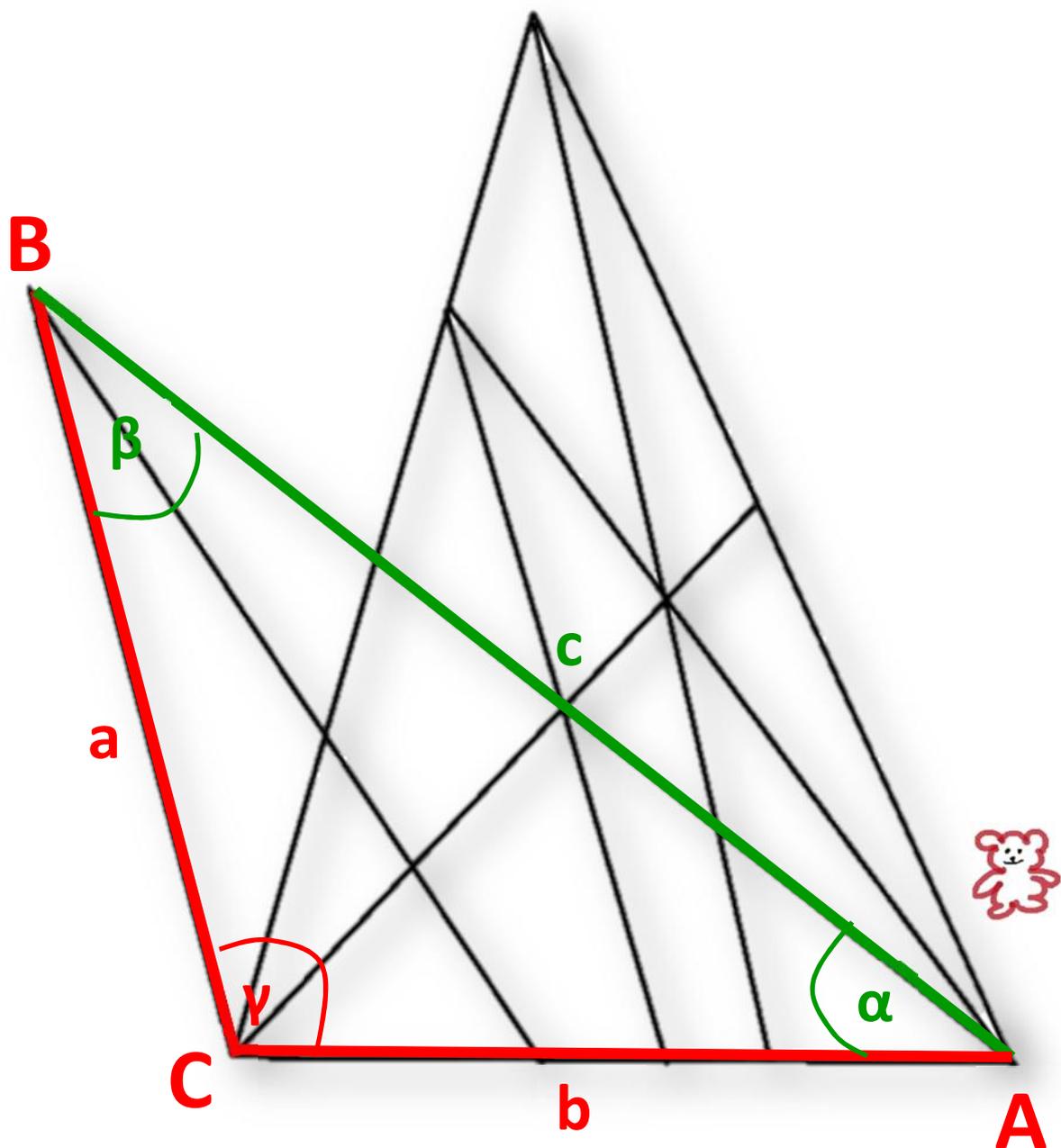
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,8 cm</b>	<b>α =</b>	
<b>b =</b>	<b>4,6 cm</b>	<b>β =</b>	<b>37°</b>
<b>c =</b>		<b>γ =</b>	



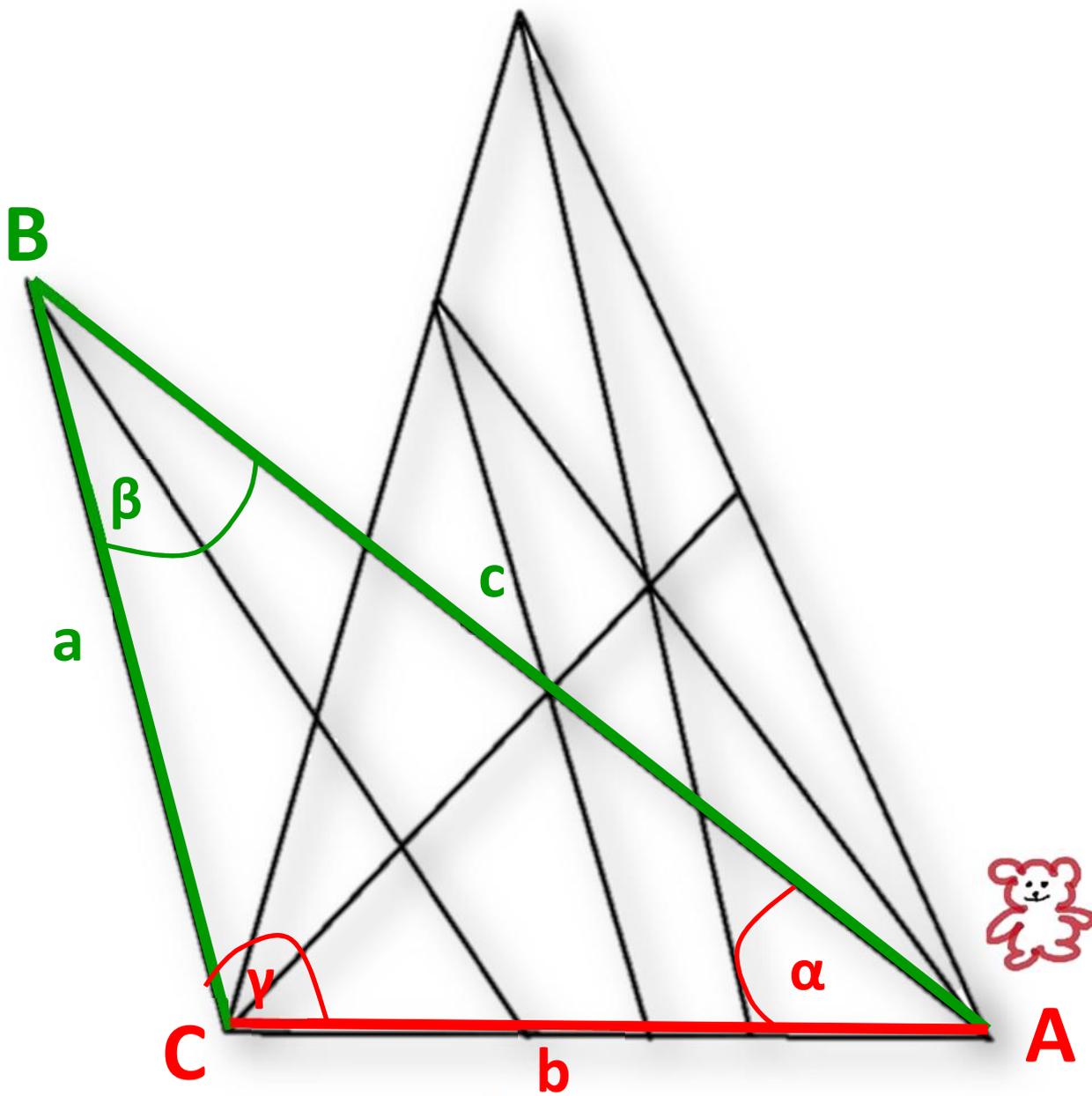
ANGABE:  befindet sich am Punkt **A**

<b>a =</b>	<b>11,8 cm</b>	<b>α =</b>	
<b>b =</b>	<b>11,5 cm</b>	<b>β =</b>	
<b>c =</b>		<b>γ =</b>	<b>104°</b>



ANGABE:  befindet sich am Punkt **B**

a =		$\alpha =$	$39^\circ$
b =	11,5 cm	$\beta =$	
c =		$\gamma =$	$104^\circ$



ANGABE:  befindet sich am Punkt **A**

$a =$	11,8 cm	$\alpha =$	
$b =$	7,5 cm	$\beta =$	37°
$c =$		$\gamma =$	

